Input Review

LANDFILL CHARACTERISTICS

Landfill Open Year	**2006**	
Landfill Closure Year (with 80-year limit)	**2017**	
Actual Closure Year (without limit)	***2017***	
Have Model Calculate Closure Year?	**No**	
Waste Design Capacity	**6,848,648**	*short tons*

MODEL PARAMETERS

Methane Generation Rate, k	**0.080**	*year $^{-1}$*
Potential Methane Generation Capacity, L_o	**100**	*m^3/Mg*
NMOC Concentration	**4,000**	*ppmv as hexane*
Methane Content	**50**	*% by volume*

GASES / POLLUTANTS SELECTED

Gas / Pollutant #1:	**Total landfill gas**
Gas / Pollutant #2:	**Methane**
Gas / Pollutant #3:	
Gas / Pollutant #4:	

WASTE ACCEPTANCE RATES

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
2006	210,670	231,737	0	0
2007	236,552	260,207	210,670	231,737
2008	275,288	302,817	447,222	491,944
2009	274,063	301,469	722,510	794,761
2010	273,079	300,387	996,573	1,096,230
2011	284,807	313,288	1,269,652	1,396,617
2012	294,783	324,261	1,554,459	1,709,905
2013	473,190	520,509	1,849,242	2,034,166
2014	509,621	560,583	2,322,432	2,554,675
2015	490,905	539,996	2,832,053	3,115,258
2016	476,968	524,665	3,322,959	3,655,254
2017	492,275	541,502	3,799,927	4,179,919
2018	0	0	4,292,201	4,721,421
2019	0	0	4,292,201	4,721,421
2020	0	0	4,292,201	4,721,421
2021	0	0	4,292,201	4,721,421
2022	0	0	4,292,201	4,721,421
2023	0	0	4,292,201	4,721,421
2024	0	0	4,292,201	4,721,421
2025	0	0	4,292,201	4,721,421
2026	0	0	4,292,201	4,721,421
2027	0	0	4,292,201	4,721,421
2028	0	0	4,292,201	4,721,421
2029	0	0	4,292,201	4,721,421
2030	0	0	4,292,201	4,721,421
2031	0	0	4,292,201	4,721,421
2032	0	0	4,292,201	4,721,421
2033	0	0	4,292,201	4,721,421
2034	0	0	4,292,201	4,721,421
2035	0	0	4,292,201	4,721,421
2036	0	0	4,292,201	4,721,421
2037	0	0	4,292,201	4,721,421
2038	0	0	4,292,201	4,721,421
2039	0	0	4,292,201	4,721,421
2040	0	0	4,292,201	4,721,421
2041	0	0	4,292,201	4,721,421
2042	0	0	4,292,201	4,721,421
2043	0	0	4,292,201	4,721,421
2044	0	0	4,292,201	4,721,421
2045	0	0	4,292,201	4,721,421

WASTE ACCEPTANCE RATES (Continued)

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
2046	0	0	4,292,201	4,721,421
2047	0	0	4,292,201	4,721,421
2048	0	0	4,292,201	4,721,421
2049	0	0	4,292,201	4,721,421
2050	0	0	4,292,201	4,721,421
2051	0	0	4,292,201	4,721,421
2052	0	0	4,292,201	4,721,421
2053	0	0	4,292,201	4,721,421
2054	0	0	4,292,201	4,721,421
2055	0	0	4,292,201	4,721,421
2056	0	0	4,292,201	4,721,421
2057	0	0	4,292,201	4,721,421
2058	0	0	4,292,201	4,721,421
2059	0	0	4,292,201	4,721,421
2060	0	0	4,292,201	4,721,421
2061	0	0	4,292,201	4,721,421
2062	0	0	4,292,201	4,721,421
2063	0	0	4,292,201	4,721,421
2064	0	0	4,292,201	4,721,421
2065	0	0	4,292,201	4,721,421
2066	0	0	4,292,201	4,721,421
2067	0	0	4,292,201	4,721,421
2068	0	0	4,292,201	4,721,421
2069	0	0	4,292,201	4,721,421
2070	0	0	4,292,201	4,721,421
2071	0	0	4,292,201	4,721,421
2072	0	0	4,292,201	4,721,421
2073	0	0	4,292,201	4,721,421
2074	0	0	4,292,201	4,721,421
2075	0	0	4,292,201	4,721,421
2076	0	0	4,292,201	4,721,421
2077	0	0	4,292,201	4,721,421
2078	0	0	4,292,201	4,721,421
2079	0	0	4,292,201	4,721,421
2080	0	0	4,292,201	4,721,421
2081	0	0	4,292,201	4,721,421
2082	0	0	4,292,201	4,721,421
2083	0	0	4,292,201	4,721,421
2084	0	0	4,292,201	4,721,421
2085	0	0	4,292,201	4,721,421

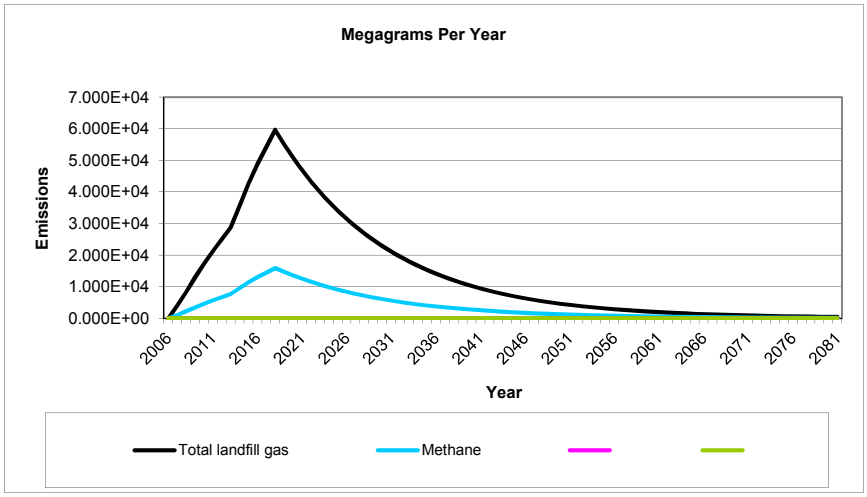
Pollutant Parameters

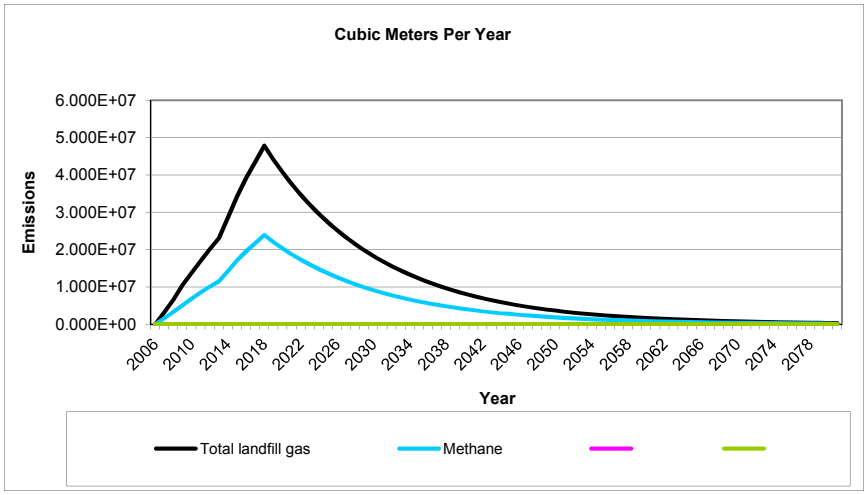
		Gas / Pollutant Default Parameters:		*User-specified Pollutant Parameters:*	
	Compound	Concentration (*ppmv*)	Molecular Weight	Concentration (*ppmv*)	Molecular Weight
Gases	Total landfill gas		0.00		
	Methane		16.04		
	Carbon dioxide		44.01		
	NMOC	4,000	86.18		
Pollutants	1,1,1-Trichloroethane (methyl chloroform) - HAP	0.48	133.41		
	1,1,2,2-Tetrachloroethane - HAP/VOC	1.1	167.85		
	1,1-Dichloroethane (ethylidene dichloride) - HAP/VOC	2.4	98.97		
	1,1-Dichloroethene (vinylidene chloride) - HAP/VOC	0.20	96.94		
	1,2-Dichloroethane (ethylene dichloride) - HAP/VOC	0.41	98.96		
	1,2-Dichloropropane (propylene dichloride) - HAP/VOC	0.18	112.99		
	2-Propanol (isopropyl alcohol) - VOC	50	60.11		
	Acetone	7.0	58.08		
	Acrylonitrile - HAP/VOC	6.3	53.06		
	Benzene - No or Unknown Co-disposal - HAP/VOC	1.9	78.11		
	Benzene - Co-disposal - HAP/VOC	11	78.11		
	Bromodichloromethane - VOC	3.1	163.83		
	Butane - VOC	5.0	58.12		
	Carbon disulfide - HAP/VOC	0.58	76.13		
	Carbon monoxide	140	28.01		
	Carbon tetrachloride - HAP/VOC	4.0E-03	153.84		
	Carbonyl sulfide - HAP/VOC	0.49	60.07		
	Chlorobenzene - HAP/VOC	0.25	112.56		
	Chlorodifluoromethane	1.3	86.47		
	Chloroethane (ethyl chloride) - HAP/VOC	1.3	64.52		
	Chloroform - HAP/VOC	0.03	119.39		
	Chloromethane - VOC	1.2	50.49		
	Dichlorobenzene - (HAP for para isomer/VOC)	0.21	147		
	Dichlorodifluoromethane	16	120.91		
	Dichlorofluoromethane - VOC	2.6	102.92		
	Dichloromethane (methylene chloride) - HAP	14	84.94		
	Dimethyl sulfide (methyl sulfide) - VOC	7.8	62.13		
	Ethane	890	30.07		
	Ethanol - VOC	27	46.08		

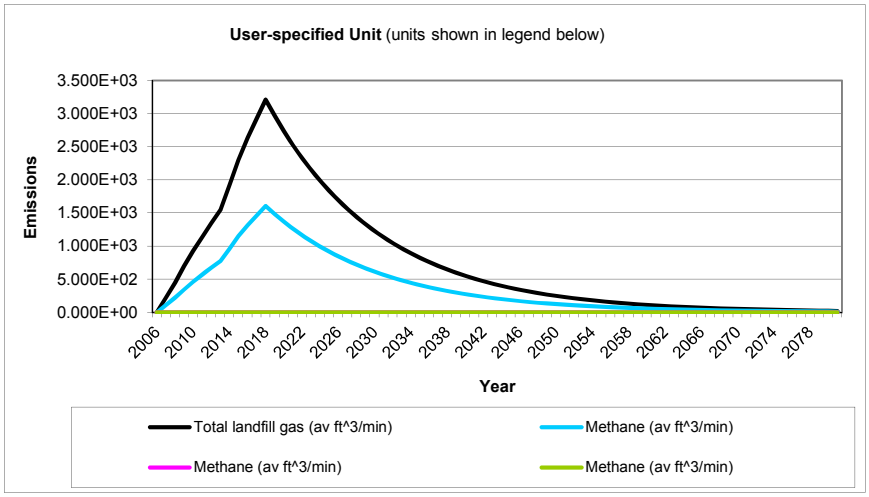
Pollutant Parameters (Continued)

		Gas / Pollutant Default Parameters:		*User-specified Pollutant Parameters:*	
	Compound	Concentration (*ppmv*)	Molecular Weight	Concentration (*ppmv*)	Molecular Weight
Pollutants	Ethyl mercaptan (ethanethiol) - VOC	2.3	62.13		
	Ethylbenzene - HAP/VOC	4.6	106.16		
	Ethylene dibromide - HAP/VOC	1.0E-03	187.88		
	Fluorotrichloromethane - VOC	0.76	137.38		
	Hexane - HAP/VOC	6.6	86.18		
	Hydrogen sulfide	36	34.08		
	Mercury (total) - HAP	2.9E-04	200.61		
	Methyl ethyl ketone - HAP/VOC	7.1	72.11		
	Methyl isobutyl ketone - HAP/VOC	1.9	100.16		
	Methyl mercaptan - VOC	2.5	48.11		
	Pentane - VOC	3.3	72.15		
	Perchloroethylene (tetrachloroethylene) - HAP	3.7	165.83		
	Propane - VOC	11	44.09		
	t-1,2-Dichloroethene - VOC	2.8	96.94		
	Toluene - No or Unknown Co-disposal - HAP/VOC	39	92.13		
	Toluene - Co-disposal - HAP/VOC	170	92.13		
	Trichloroethylene (trichloroethene) - HAP/VOC	2.8	131.40		
	Vinyl chloride - HAP/VOC	7.3	62.50		
	Xylenes - HAP/VOC	12	106.16		

Graphs


Megagrams Per Year
Emissions
7.000E+04
6.000E+04
5.000E+04
4.000E+04
3.000E+04
2.000E+04
1.000E+04
0.000E+00
2006
2011
2016
2021
2026
2031
2036
2041
2046
2051
2056
2061
2066
2071
2076
2081
Year
Total landfill gas
Methane


Cubic Meters Per Year
Emissions
6.000E+07
5.000E+07
4.000E+07
3.000E+07
2.000E+07
1.000E+07
0.000E+00
2006
2010
2014
2018
2022
2026
2030
2034
2038
2042
2046
2050
2054
2058
2062
2066
2070
2074
2078
Year
Total landfill gas
Methane


User-specified Unit (units shown in legend below)
Emissions
3.500E+03
3.000E+03
2.500E+03
2.000E+03
1.500E+03
1.000E+03
5.000E+02
0.000E+00
2006
2010
2014
2018
2022
2026
2030
2034
2038
2042
2046
2050
2054
2058
2062
2066
2070
2074
2078
Year
Total landfill gas (av ft^3/min)
Methane (av ft^3/min)
Methane (av ft^3/min)
Methane (av ft^3/min)

Results

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2006	0	0	0	0	0	0
2007	4.062E+03	3.252E+06	2.185E+02	1.085E+03	1.626E+06	1.093E+02
2008	8.310E+03	6.654E+06	4.471E+02	2.220E+03	3.327E+06	2.236E+02
2009	1.298E+04	1.039E+07	6.983E+02	3.467E+03	5.196E+06	3.491E+02
2010	1.726E+04	1.382E+07	9.289E+02	4.612E+03	6.912E+06	4.644E+02
2011	2.120E+04	1.698E+07	1.141E+03	5.663E+03	8.489E+06	5.704E+02
2012	2.506E+04	2.007E+07	1.348E+03	6.695E+03	1.003E+07	6.742E+02
2013	2.882E+04	2.308E+07	1.551E+03	7.698E+03	1.154E+07	7.753E+02
2014	3.573E+04	2.861E+07	1.922E+03	9.543E+03	1.430E+07	9.611E+02
2015	4.281E+04	3.428E+07	2.303E+03	1.143E+04	1.714E+07	1.152E+03
2016	4.898E+04	3.922E+07	2.635E+03	1.308E+04	1.961E+07	1.318E+03
2017	5.441E+04	4.357E+07	2.927E+03	1.453E+04	2.178E+07	1.464E+03
2018	5.972E+04	4.782E+07	3.213E+03	1.595E+04	2.391E+07	1.606E+03
2019	5.513E+04	4.414E+07	2.966E+03	1.472E+04	2.207E+07	1.483E+03
2020	5.089E+04	4.075E+07	2.738E+03	1.359E+04	2.037E+07	1.369E+03
2021	4.697E+04	3.762E+07	2.527E+03	1.255E+04	1.881E+07	1.264E+03
2022	4.336E+04	3.472E+07	2.333E+03	1.158E+04	1.736E+07	1.167E+03
2023	4.003E+04	3.205E+07	2.154E+03	1.069E+04	1.603E+07	1.077E+03
2024	3.695E+04	2.959E+07	1.988E+03	9.870E+03	1.479E+07	9.940E+02
2025	3.411E+04	2.731E+07	1.835E+03	9.111E+03	1.366E+07	9.176E+02
2026	3.149E+04	2.521E+07	1.694E+03	8.411E+03	1.261E+07	8.471E+02
2027	2.907E+04	2.328E+07	1.564E+03	7.764E+03	1.164E+07	7.819E+02
2028	2.683E+04	2.149E+07	1.444E+03	7.167E+03	1.074E+07	7.218E+02
2029	2.477E+04	1.983E+07	1.333E+03	6.616E+03	9.917E+06	6.663E+02
2030	2.287E+04	1.831E+07	1.230E+03	6.108E+03	9.155E+06	6.151E+02
2031	2.111E+04	1.690E+07	1.136E+03	5.638E+03	8.451E+06	5.678E+02
2032	1.948E+04	1.560E+07	1.048E+03	5.204E+03	7.801E+06	5.242E+02
2033	1.799E+04	1.440E+07	9.677E+02	4.804E+03	7.201E+06	4.839E+02
2034	1.660E+04	1.330E+07	8.933E+02	4.435E+03	6.648E+06	4.467E+02
2035	1.533E+04	1.227E+07	8.246E+02	4.094E+03	6.137E+06	4.123E+02
2036	1.415E+04	1.133E+07	7.612E+02	3.779E+03	5.665E+06	3.806E+02
2037	1.306E+04	1.046E+07	7.027E+02	3.489E+03	5.229E+06	3.514E+02
2038	1.206E+04	9.654E+06	6.487E+02	3.220E+03	4.827E+06	3.243E+02
2039	1.113E+04	8.912E+06	5.988E+02	2.973E+03	4.456E+06	2.994E+02
2040	1.027E+04	8.227E+06	5.528E+02	2.744E+03	4.113E+06	2.764E+02
2041	9.484E+03	7.594E+06	5.103E+02	2.533E+03	3.797E+06	2.551E+02
2042	8.755E+03	7.011E+06	4.710E+02	2.339E+03	3.505E+06	2.355E+02
2043	8.082E+03	6.472E+06	4.348E+02	2.159E+03	3.236E+06	2.174E+02
2044	7.460E+03	5.974E+06	4.014E+02	1.993E+03	2.987E+06	2.007E+02
2045	6.887E+03	5.515E+06	3.705E+02	1.840E+03	2.757E+06	1.853E+02
2046	6.357E+03	5.091E+06	3.420E+02	1.698E+03	2.545E+06	1.710E+02
2047	5.869E+03	4.699E+06	3.157E+02	1.568E+03	2.350E+06	1.579E+02
2048	5.417E+03	4.338E+06	2.915E+02	1.447E+03	2.169E+06	1.457E+02
2049	5.001E+03	4.004E+06	2.691E+02	1.336E+03	2.002E+06	1.345E+02
2050	4.616E+03	3.697E+06	2.484E+02	1.233E+03	1.848E+06	1.242E+02
2051	4.261E+03	3.412E+06	2.293E+02	1.138E+03	1.706E+06	1.146E+02
2052	3.934E+03	3.150E+06	2.116E+02	1.051E+03	1.575E+06	1.058E+02
2053	3.631E+03	2.908E+06	1.954E+02	9.700E+02	1.454E+06	9.769E+01
2054	3.352E+03	2.684E+06	1.804E+02	8.954E+02	1.342E+06	9.018E+01
2055	3.094E+03	2.478E+06	1.665E+02	8.266E+02	1.239E+06	8.324E+01

Results (Continued)

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2056	2.857E+03	2.287E+06	1.537E+02	7.630E+02	1.144E+06	7.684E+01
2057	2.637E+03	2.112E+06	1.419E+02	7.043E+02	1.056E+06	7.094E+01
2058	2.434E+03	1.949E+06	1.310E+02	6.502E+02	9.746E+05	6.548E+01
2059	2.247E+03	1.799E+06	1.209E+02	6.002E+02	8.997E+05	6.045E+01
2060	2.074E+03	1.661E+06	1.116E+02	5.541E+02	8.305E+05	5.580E+01
2061	1.915E+03	1.533E+06	1.030E+02	5.115E+02	7.666E+05	5.151E+01
2062	1.768E+03	1.415E+06	9.510E+01	4.721E+02	7.077E+05	4.755E+01
2063	1.632E+03	1.307E+06	8.779E+01	4.358E+02	6.533E+05	4.389E+01
2064	1.506E+03	1.206E+06	8.104E+01	4.023E+02	6.031E+05	4.052E+01
2065	1.390E+03	1.113E+06	7.481E+01	3.714E+02	5.567E+05	3.740E+01
2066	1.284E+03	1.028E+06	6.906E+01	3.428E+02	5.139E+05	3.453E+01
2067	1.185E+03	9.488E+05	6.375E+01	3.165E+02	4.744E+05	3.187E+01
2068	1.094E+03	8.758E+05	5.885E+01	2.922E+02	4.379E+05	2.942E+01
2069	1.010E+03	8.085E+05	5.432E+01	2.697E+02	4.042E+05	2.716E+01
2070	9.320E+02	7.463E+05	5.015E+01	2.490E+02	3.732E+05	2.507E+01
2071	8.604E+02	6.889E+05	4.629E+01	2.298E+02	3.445E+05	2.315E+01
2072	7.942E+02	6.360E+05	4.273E+01	2.121E+02	3.180E+05	2.137E+01
2073	7.332E+02	5.871E+05	3.945E+01	1.958E+02	2.935E+05	1.972E+01
2074	6.768E+02	5.419E+05	3.641E+01	1.808E+02	2.710E+05	1.821E+01
2075	6.248E+02	5.003E+05	3.361E+01	1.669E+02	2.501E+05	1.681E+01
2076	5.767E+02	4.618E+05	3.103E+01	1.540E+02	2.309E+05	1.551E+01
2077	5.324E+02	4.263E+05	2.864E+01	1.422E+02	2.132E+05	1.432E+01
2078	4.915E+02	3.935E+05	2.644E+01	1.313E+02	1.968E+05	1.322E+01
2079	4.537E+02	3.633E+05	2.441E+01	1.212E+02	1.816E+05	1.220E+01
2080	4.188E+02	3.353E+05	2.253E+01	1.119E+02	1.677E+05	1.127E+01
2081	3.866E+02	3.096E+05	2.080E+01	1.033E+02	1.548E+05	1.040E+01
2082	3.569E+02	2.858E+05	1.920E+01	9.532E+01	1.429E+05	9.600E+00
2083	3.294E+02	2.638E+05	1.772E+01	8.799E+01	1.319E+05	8.862E+00
2084	3.041E+02	2.435E+05	1.636E+01	8.123E+01	1.218E+05	8.181E+00
2085	2.807E+02	2.248E+05	1.510E+01	7.498E+01	1.124E+05	7.552E+00
2086	2.591E+02	2.075E+05	1.394E+01	6.922E+01	1.038E+05	6.971E+00
2087	2.392E+02	1.916E+05	1.287E+01	6.390E+01	9.578E+04	6.435E+00
2088	2.208E+02	1.768E+05	1.188E+01	5.898E+01	8.841E+04	5.940E+00
2089	2.038E+02	1.632E+05	1.097E+01	5.445E+01	8.162E+04	5.484E+00
2090	1.882E+02	1.507E+05	1.012E+01	5.026E+01	7.534E+04	5.062E+00
2091	1.737E+02	1.391E+05	9.346E+00	4.640E+01	6.955E+04	4.673E+00
2092	1.604E+02	1.284E+05	8.627E+00	4.283E+01	6.420E+04	4.314E+00
2093	1.480E+02	1.185E+05	7.964E+00	3.954E+01	5.926E+04	3.982E+00
2094	1.366E+02	1.094E+05	7.352E+00	3.650E+01	5.471E+04	3.676E+00
2095	1.261E+02	1.010E+05	6.786E+00	3.369E+01	5.050E+04	3.393E+00
2096	1.164E+02	9.324E+04	6.265E+00	3.110E+01	4.662E+04	3.132E+00
2097	1.075E+02	8.607E+04	5.783E+00	2.871E+01	4.304E+04	2.892E+00
2098	9.922E+01	7.945E+04	5.338E+00	2.650E+01	3.973E+04	2.669E+00
2099	9.159E+01	7.334E+04	4.928E+00	2.447E+01	3.667E+04	2.464E+00
2100	8.455E+01	6.771E+04	4.549E+00	2.258E+01	3.385E+04	2.275E+00
2101	7.805E+01	6.250E+04	4.199E+00	2.085E+01	3.125E+04	2.100E+00
2102	7.205E+01	5.769E+04	3.876E+00	1.925E+01	2.885E+04	1.938E+00
2103	6.651E+01	5.326E+04	3.578E+00	1.777E+01	2.663E+04	1.789E+00
2104	6.140E+01	4.916E+04	3.303E+00	1.640E+01	2.458E+04	1.652E+00
2105	5.668E+01	4.538E+04	3.049E+00	1.514E+01	2.269E+04	1.525E+00
2106	5.232E+01	4.189E+04	2.815E+00	1.398E+01	2.095E+04	1.407E+00

Results (Continued)

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2107	4.830E+01	3.867E+04	2.598E+00	1.290E+01	1.934E+04	1.299E+00
2108	4.458E+01	3.570E+04	2.399E+00	1.191E+01	1.785E+04	1.199E+00
2109	4.116E+01	3.296E+04	2.214E+00	1.099E+01	1.648E+04	1.107E+00
2110	3.799E+01	3.042E+04	2.044E+00	1.015E+01	1.521E+04	1.022E+00
2111	3.507E+01	2.808E+04	1.887E+00	9.368E+00	1.404E+04	9.434E-01
2112	3.237E+01	2.592E+04	1.742E+00	8.648E+00	1.296E+04	8.709E-01
2113	2.989E+01	2.393E+04	1.608E+00	7.983E+00	1.197E+04	8.040E-01
2114	2.759E+01	2.209E+04	1.484E+00	7.369E+00	1.105E+04	7.421E-01
2115	2.547E+01	2.039E+04	1.370E+00	6.802E+00	1.020E+04	6.851E-01
2116	2.351E+01	1.882E+04	1.265E+00	6.279E+00	9.412E+03	6.324E-01
2117	2.170E+01	1.738E+04	1.168E+00	5.797E+00	8.689E+03	5.838E-01
2118	2.003E+01	1.604E+04	1.078E+00	5.351E+00	8.021E+03	5.389E-01
2119	1.849E+01	1.481E+04	9.949E-01	4.940E+00	7.404E+03	4.975E-01
2120	1.707E+01	1.367E+04	9.184E-01	4.560E+00	6.835E+03	4.592E-01
2121	1.576E+01	1.262E+04	8.478E-01	4.209E+00	6.309E+03	4.239E-01
2122	1.455E+01	1.165E+04	7.827E-01	3.886E+00	5.824E+03	3.913E-01
2123	1.343E+01	1.075E+04	7.225E-01	3.587E+00	5.376E+03	3.612E-01
2124	1.240E+01	9.926E+03	6.669E-01	3.311E+00	4.963E+03	3.335E-01
2125	1.144E+01	9.163E+03	6.157E-01	3.057E+00	4.581E+03	3.078E-01
2126	1.056E+01	8.458E+03	5.683E-01	2.822E+00	4.229E+03	2.842E-01
2127	9.751E+00	7.808E+03	5.246E-01	2.605E+00	3.904E+03	2.623E-01
2128	9.001E+00	7.208E+03	4.843E-01	2.404E+00	3.604E+03	2.421E-01
2129	8.309E+00	6.654E+03	4.471E-01	2.219E+00	3.327E+03	2.235E-01
2130	7.670E+00	6.142E+03	4.127E-01	2.049E+00	3.071E+03	2.063E-01
2131	7.081E+00	5.670E+03	3.810E-01	1.891E+00	2.835E+03	1.905E-01
2132	6.536E+00	5.234E+03	3.517E-01	1.746E+00	2.617E+03	1.758E-01
2133	6.034E+00	4.832E+03	3.246E-01	1.612E+00	2.416E+03	1.623E-01
2134	5.570E+00	4.460E+03	2.997E-01	1.488E+00	2.230E+03	1.498E-01
2135	5.142E+00	4.117E+03	2.766E-01	1.373E+00	2.059E+03	1.383E-01
2136	4.746E+00	3.801E+03	2.554E-01	1.268E+00	1.900E+03	1.277E-01
2137	4.381E+00	3.508E+03	2.357E-01	1.170E+00	1.754E+03	1.179E-01
2138	4.045E+00	3.239E+03	2.176E-01	1.080E+00	1.619E+03	1.088E-01
2139	3.734E+00	2.990E+03	2.009E-01	9.973E-01	1.495E+03	1.004E-01
2140	3.447E+00	2.760E+03	1.854E-01	9.206E-01	1.380E+03	9.272E-02
2141	3.182E+00	2.548E+03	1.712E-01	8.498E-01	1.274E+03	8.559E-02
2142	2.937E+00	2.352E+03	1.580E-01	7.845E-01	1.176E+03	7.901E-02
2143	2.711E+00	2.171E+03	1.459E-01	7.242E-01	1.085E+03	7.293E-02
2144	2.503E+00	2.004E+03	1.347E-01	6.685E-01	1.002E+03	6.733E-02
2145	2.310E+00	1.850E+03	1.243E-01	6.171E-01	9.250E+02	6.215E-02
2146	2.133E+00	1.708E+03	1.147E-01	5.697E-01	8.539E+02	5.737E-02

Results (Continued)

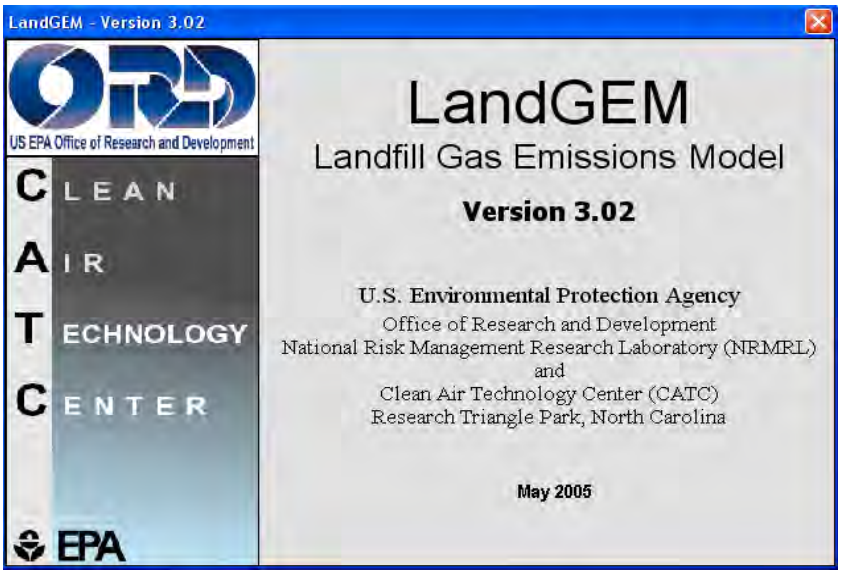
Year						
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2006	0	0	0	0	0	0
2007	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2008	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2009	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2010	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2011	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2012	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2013	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2014	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2015	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2016	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2017	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2018	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2019	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2020	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2021	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2022	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2023	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2024	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2025	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2026	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2027	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2028	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2029	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2030	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2031	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2032	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2033	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2034	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2035	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2036	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2037	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2038	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2039	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2040	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2041	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2042	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2043	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2044	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2045	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2046	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2047	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2048	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2049	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2050	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2051	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2052	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2053	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2054	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2055	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Results (Continued)

Year						
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2056	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2057	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2058	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2059	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2060	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2061	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2062	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2063	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2064	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2065	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2066	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2067	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2068	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2069	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2070	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2071	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2072	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2073	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2074	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2075	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2076	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2077	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2078	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2079	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2080	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2081	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2082	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2083	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2084	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2085	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2086	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2087	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2088	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2089	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2090	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2091	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2092	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2093	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2094	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2095	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2096	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2097	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2098	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2099	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2100	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2101	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2102	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2103	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2104	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2105	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2106	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Results (Continued)

Year						
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2107	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2108	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2109	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2110	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2111	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2112	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2113	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2114	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2115	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2116	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2117	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2118	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2119	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2120	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2121	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2122	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2123	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2124	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2125	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2126	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2127	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2128	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2129	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2130	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2131	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2132	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2133	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2134	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2135	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2136	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2137	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2138	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2139	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2140	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2141	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2142	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2143	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2144	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2145	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2146	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00



Summary Report

Landfill Name or Identifier: LGRL

Date: Friday, April 28, 2017

Description/Comments:

About LandGEM:

First-Order Decomposition Rate Equation:

$$Q_{CH_4} = \sum_{i=1}^{n} \sum_{j=0.1}^{1} kL_o \left(\frac{M_i}{10} \right) e^{-kt_{ij}}$$

Where,

Q_{CH4} = annual methane generation in the year of the calculation ($m^3/year$)

i = 1-year time increment

n = (year of the calculation) - (initial year of waste acceptance)

j = 0.1-year time increment

k = methane generation rate ($year^{-1}$)

L_o = potential methane generation capacity (m^3/Mg)

M_i = mass of waste accepted in the i^{th} year (Mg)

t_{ij} = age of the j^{th} section of waste mass M_i accepted in the i^{th} year (*decimal years*, e.g., 3.2 years)

LandGEM is based on a first-order decomposition rate equation for quantifying emissions from the decomposition of landfilled waste in municipal solid waste (MSW) landfills. The software provides a relatively simple approach to estimating landfill gas emissions. Model defaults are based on empirical data from U.S. landfills. Field test data can also be used in place of model defaults when available. Further guidance on EPA test methods, Clean Air Act (CAA) regulations, and other guidance regarding landfill gas emissions and control technology requirements can be found at http://www.epa.gov/ttnatw01/landfill/landflpg.html.

LandGEM is considered a screening tool — the better the input data, the better the estimates. Often, there are limitations with the available data regarding waste quantity and composition, variation in design and operating practices over time, and changes occurring over time that impact the emissions potential. Changes to landfill operation, such as operating under wet conditions through leachate recirculation or other liquid additions, will result in generating more gas at a faster rate. Defaults for estimating emissions for this type of operation are being developed to include in LandGEM along with defaults for convential landfills (no leachate or liquid additions) for developing emission inventories and determining CAA applicability. Refer to the Web site identified above for future updates.

Input Review

LANDFILL CHARACTERISTICS

Landfill Open Year	**1959**	
Landfill Closure Year (with 80-year limit)	**1986**	
Actual Closure Year (without limit)	***1986***	
Have Model Calculate Closure Year?	**No**	
Waste Design Capacity	**691,882**	*short tons*

MODEL PARAMETERS

Methane Generation Rate, k	**0.040**	$year^{-1}$
Potential Methane Generation Capacity, L_o	**100**	m^3/Mg
NMOC Concentration	**4,000**	*ppmv as hexane*
Methane Content	**50**	*% by volume*

GASES / POLLUTANTS SELECTED

Gas / Pollutant #1: **Total landfill gas**
Gas / Pollutant #2: **Methane**
Gas / Pollutant #3:
Gas / Pollutant #4:

WASTE ACCEPTANCE RATES

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
1959	5,938	6,532	0	0
1960	5,938	6,532	5,938	6,532
1961	5,938	6,532	11,876	13,064
1962	5,938	6,532	17,814	19,595
1963	5,938	6,532	23,752	26,127
1964	5,938	6,532	29,690	32,659
1965	5,938	6,532	35,628	39,191
1966	5,938	6,532	41,566	45,723
1967	5,938	6,532	47,504	52,254
1968	5,938	6,532	53,442	58,786
1969	5,938	6,532	59,380	65,318
1970	5,938	6,532	65,318	71,850
1971	5,938	6,532	71,256	78,382
1972	5,938	6,532	77,194	84,913
1973	5,938	6,532	83,132	91,445
1974	5,938	6,532	89,070	97,977
1975	5,938	6,532	95,008	104,509
1976	5,938	6,532	100,946	111,041
1977	5,938	6,532	106,884	117,572
1978	5,938	6,532	112,822	124,104
1979	5,938	6,532	118,760	130,636
1980	5,938	6,532	124,698	137,168
1981	83,058	91,364	130,636	143,700
1982	83,058	91,364	213,694	235,063
1983	83,058	91,364	296,752	326,427
1984	83,058	91,364	379,810	417,791
1985	83,058	91,364	462,868	509,155
1986	83,058	91,364	545,926	600,519
1987	0	0	628,984	691,882
1988	0	0	628,984	691,882
1989	0	0	628,984	691,882
1990	0	0	628,984	691,882
1991	0	0	628,984	691,882
1992	0	0	628,984	691,882
1993	0	0	628,984	691,882
1994	0	0	628,984	691,882
1995	0	0	628,984	691,882
1996	0	0	628,984	691,882
1997	0	0	628,984	691,882
1998	0	0	628,984	691,882

WASTE ACCEPTANCE RATES (Continued)

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
1999	0	0	628,984	691,882
2000	0	0	628,984	691,882
2001	0	0	628,984	691,882
2002	0	0	628,984	691,882
2003	0	0	628,984	691,882
2004	0	0	628,984	691,882
2005	0	0	628,984	691,882
2006	0	0	628,984	691,882
2007	0	0	628,984	691,882
2008	0	0	628,984	691,882
2009	0	0	628,984	691,882
2010	0	0	628,984	691,882
2011	0	0	628,984	691,882
2012	0	0	628,984	691,882
2013	0	0	628,984	691,882
2014	0	0	628,984	691,882
2015	0	0	628,984	691,882
2016	0	0	628,984	691,882
2017	0	0	628,984	691,882
2018	0	0	628,984	691,882
2019	0	0	628,984	691,882
2020	0	0	628,984	691,882
2021	0	0	628,984	691,882
2022	0	0	628,984	691,882
2023	0	0	628,984	691,882
2024	0	0	628,984	691,882
2025	0	0	628,984	691,882
2026	0	0	628,984	691,882
2027	0	0	628,984	691,882
2028	0	0	628,984	691,882
2029	0	0	628,984	691,882
2030	0	0	628,984	691,882
2031	0	0	628,984	691,882
2032	0	0	628,984	691,882
2033	0	0	628,984	691,882
2034	0	0	628,984	691,882
2035	0	0	628,984	691,882
2036	0	0	628,984	691,882
2037	0	0	628,984	691,882
2038	0	0	628,984	691,882

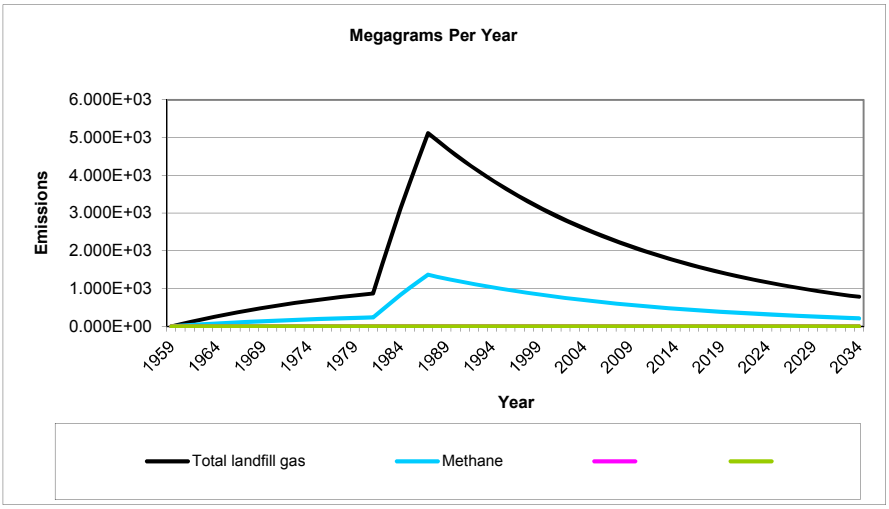
Pollutant Parameters

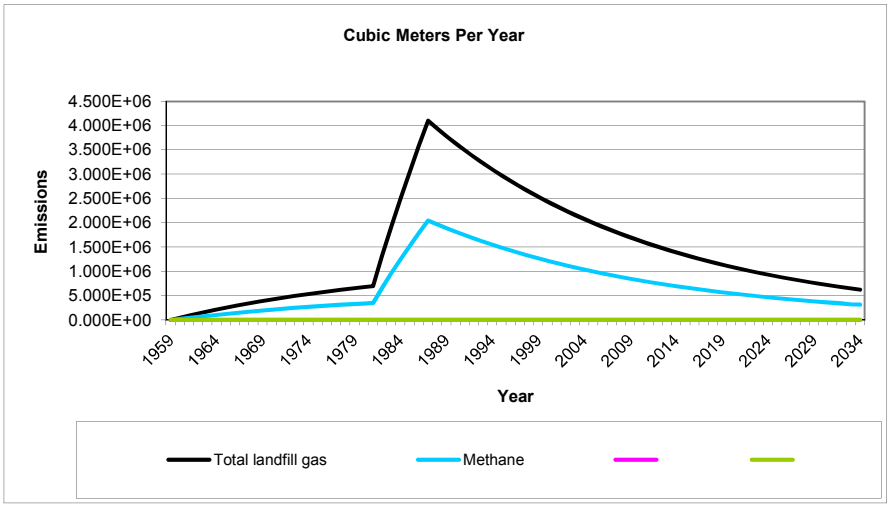
		Gas / Pollutant Default Parameters:		*User-specified Pollutant Parameters:*	
	Compound	Concentration (*ppmv*)	Molecular Weight	Concentration (*ppmv*)	Molecular Weight
Gases	Total landfill gas		0.00		
	Methane		16.04		
	Carbon dioxide		44.01		
	NMOC	4,000	86.18		
Pollutants	1,1,1-Trichloroethane (methyl chloroform) - HAP	0.48	133.41		
	1,1,2,2-Tetrachloroethane - HAP/VOC	1.1	167.85		
	1,1-Dichloroethane (ethylidene dichloride) - HAP/VOC	2.4	98.97		
	1,1-Dichloroethene (vinylidene chloride) - HAP/VOC	0.20	96.94		
	1,2-Dichloroethane (ethylene dichloride) - HAP/VOC	0.41	98.96		
	1,2-Dichloropropane (propylene dichloride) - HAP/VOC	0.18	112.99		
	2-Propanol (isopropyl alcohol) - VOC	50	60.11		
	Acetone	7.0	58.08		
	Acrylonitrile - HAP/VOC	6.3	53.06		
	Benzene - No or Unknown Co-disposal - HAP/VOC	1.9	78.11		
	Benzene - Co-disposal - HAP/VOC	11	78.11		
	Bromodichloromethane - VOC	3.1	163.83		
	Butane - VOC	5.0	58.12		
	Carbon disulfide - HAP/VOC	0.58	76.13		
	Carbon monoxide	140	28.01		
	Carbon tetrachloride - HAP/VOC	4.0E-03	153.84		
	Carbonyl sulfide - HAP/VOC	0.49	60.07		
	Chlorobenzene - HAP/VOC	0.25	112.56		
	Chlorodifluoromethane	1.3	86.47		
	Chloroethane (ethyl chloride) - HAP/VOC	1.3	64.52		
	Chloroform - HAP/VOC	0.03	119.39		
	Chloromethane - VOC	1.2	50.49		
	Dichlorobenzene - (HAP for para isomer/VOC)	0.21	147		
	Dichlorodifluoromethane	16	120.91		
	Dichlorofluoromethane - VOC	2.6	102.92		
	Dichloromethane (methylene chloride) - HAP	14	84.94		
	Dimethyl sulfide (methyl sulfide) - VOC	7.8	62.13		
	Ethane	890	30.07		
	Ethanol - VOC	27	46.08		

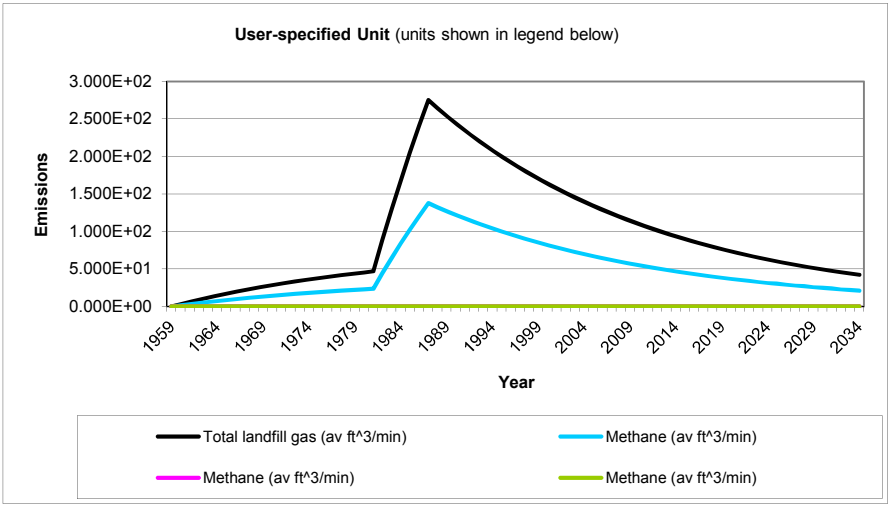
Pollutant Parameters (Continued)

		Gas / Pollutant Default Parameters:		*User-specified Pollutant Parameters:*	
	Compound	Concentration (*ppmv*)	Molecular Weight	Concentration (*ppmv*)	Molecular Weight
Pollutants	Ethyl mercaptan (ethanethiol) - VOC	2.3	62.13		
	Ethylbenzene - HAP/VOC	4.6	106.16		
	Ethylene dibromide - HAP/VOC	1.0E-03	187.88		
	Fluorotrichloromethane - VOC	0.76	137.38		
	Hexane - HAP/VOC	6.6	86.18		
	Hydrogen sulfide	36	34.08		
	Mercury (total) - HAP	2.9E-04	200.61		
	Methyl ethyl ketone - HAP/VOC	7.1	72.11		
	Methyl isobutyl ketone - HAP/VOC	1.9	100.16		
	Methyl mercaptan - VOC	2.5	48.11		
	Pentane - VOC	3.3	72.15		
	Perchloroethylene (tetrachloroethylene) - HAP	3.7	165.83		
	Propane - VOC	11	44.09		
	t-1,2-Dichloroethene - VOC	2.8	96.94		
	Toluene - No or Unknown Co-disposal - HAP/VOC	39	92.13		
	Toluene - Co-disposal - HAP/VOC	170	92.13		
	Trichloroethylene (trichloroethene) - HAP/VOC	2.8	131.40		
	Vinyl chloride - HAP/VOC	7.3	62.50		
	Xylenes - HAP/VOC	12	106.16		

Graphs


Megagrams Per Year
Emissions
6.000E+03
5.000E+03
4.000E+03
3.000E+03
2.000E+03
1.000E+03
0.000E+00
1959
1964
1969
1974
1979
1984
1989
1994
1999
2004
2009
2014
2019
2024
2029
2034
Year
Total landfill gas
Methane


Cubic Meters Per Year
Emissions
4.500E+06
4.000E+06
3.500E+06
3.000E+06
2.500E+06
2.000E+06
1.500E+06
1.000E+06
5.000E+05
0.000E+00
1959
1964
1969
1974
1979
1984
1989
1994
1999
2004
2009
2014
2019
2024
2029
2034
Year
Total landfill gas
Methane


User-specified Unit (units shown in legend below)
Emissions
3.000E+02
2.500E+02
2.000E+02
1.500E+02
1.000E+02
5.000E+01
0.000E+00
1959
1964
1969
1974
1979
1984
1989
1994
1999
2004
2009
2014
2019
2024
2029
2034
Year
Total landfill gas (av ft^3/min)
Methane (av ft^3/min)
Methane (av ft^3/min)
Methane (av ft^3/min)

Results

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
1959	0	0	0	0	0	0
1960	5.827E+01	4.666E+04	3.135E+00	1.556E+01	2.333E+04	1.568E+00
1961	1.143E+02	9.149E+04	6.147E+00	3.052E+01	4.574E+04	3.074E+00
1962	1.680E+02	1.346E+05	9.041E+00	4.489E+01	6.728E+04	4.521E+00
1963	2.197E+02	1.759E+05	1.182E+01	5.869E+01	8.797E+04	5.911E+00
1964	2.694E+02	2.157E+05	1.449E+01	7.195E+01	1.079E+05	7.247E+00
1965	3.171E+02	2.539E+05	1.706E+01	8.470E+01	1.270E+05	8.530E+00
1966	3.629E+02	2.906E+05	1.953E+01	9.694E+01	1.453E+05	9.763E+00
1967	4.070E+02	3.259E+05	2.190E+01	1.087E+02	1.629E+05	1.095E+01
1968	4.493E+02	3.598E+05	2.417E+01	1.200E+02	1.799E+05	1.209E+01
1969	4.899E+02	3.923E+05	2.636E+01	1.309E+02	1.962E+05	1.318E+01
1970	5.290E+02	4.236E+05	2.846E+01	1.413E+02	2.118E+05	1.423E+01
1971	5.665E+02	4.536E+05	3.048E+01	1.513E+02	2.268E+05	1.524E+01
1972	6.026E+02	4.825E+05	3.242E+01	1.610E+02	2.413E+05	1.621E+01
1973	6.372E+02	5.103E+05	3.428E+01	1.702E+02	2.551E+05	1.714E+01
1974	6.705E+02	5.369E+05	3.607E+01	1.791E+02	2.685E+05	1.804E+01
1975	7.025E+02	5.625E+05	3.780E+01	1.876E+02	2.813E+05	1.890E+01
1976	7.332E+02	5.871E+05	3.945E+01	1.958E+02	2.936E+05	1.972E+01
1977	7.627E+02	6.108E+05	4.104E+01	2.037E+02	3.054E+05	2.052E+01
1978	7.911E+02	6.335E+05	4.256E+01	2.113E+02	3.167E+05	2.128E+01
1979	8.183E+02	6.553E+05	4.403E+01	2.186E+02	3.276E+05	2.201E+01
1980	8.445E+02	6.763E+05	4.544E+01	2.256E+02	3.381E+05	2.272E+01
1981	8.697E+02	6.964E+05	4.679E+01	2.323E+02	3.482E+05	2.340E+01
1982	1.651E+03	1.322E+06	8.881E+01	4.409E+02	6.609E+05	4.440E+01
1983	2.401E+03	1.923E+06	1.292E+02	6.413E+02	9.613E+05	6.459E+01
1984	3.122E+03	2.500E+06	1.680E+02	8.339E+02	1.250E+06	8.398E+01
1985	3.814E+03	3.054E+06	2.052E+02	1.019E+03	1.527E+06	1.026E+02
1986	4.480E+03	3.587E+06	2.410E+02	1.197E+03	1.794E+06	1.205E+02
1987	5.119E+03	4.099E+06	2.754E+02	1.367E+03	2.050E+06	1.377E+02
1988	4.919E+03	3.939E+06	2.646E+02	1.314E+03	1.969E+06	1.323E+02
1989	4.726E+03	3.784E+06	2.543E+02	1.262E+03	1.892E+06	1.271E+02
1990	4.540E+03	3.636E+06	2.443E+02	1.213E+03	1.818E+06	1.221E+02
1991	4.362E+03	3.493E+06	2.347E+02	1.165E+03	1.747E+06	1.174E+02
1992	4.191E+03	3.356E+06	2.255E+02	1.120E+03	1.678E+06	1.128E+02
1993	4.027E+03	3.225E+06	2.167E+02	1.076E+03	1.612E+06	1.083E+02
1994	3.869E+03	3.098E+06	2.082E+02	1.033E+03	1.549E+06	1.041E+02
1995	3.717E+03	2.977E+06	2.000E+02	9.930E+02	1.488E+06	1.000E+02
1996	3.572E+03	2.860E+06	1.922E+02	9.540E+02	1.430E+06	9.608E+01
1997	3.432E+03	2.748E+06	1.846E+02	9.166E+02	1.374E+06	9.231E+01
1998	3.297E+03	2.640E+06	1.774E+02	8.807E+02	1.320E+06	8.870E+01
1999	3.168E+03	2.537E+06	1.704E+02	8.461E+02	1.268E+06	8.522E+01
2000	3.044E+03	2.437E+06	1.638E+02	8.130E+02	1.219E+06	8.188E+01
2001	2.924E+03	2.342E+06	1.573E+02	7.811E+02	1.171E+06	7.867E+01
2002	2.810E+03	2.250E+06	1.512E+02	7.505E+02	1.125E+06	7.558E+01
2003	2.699E+03	2.162E+06	1.452E+02	7.210E+02	1.081E+06	7.262E+01
2004	2.594E+03	2.077E+06	1.395E+02	6.928E+02	1.038E+06	6.977E+01
2005	2.492E+03	1.995E+06	1.341E+02	6.656E+02	9.977E+05	6.703E+01
2006	2.394E+03	1.917E+06	1.288E+02	6.395E+02	9.586E+05	6.441E+01
2007	2.300E+03	1.842E+06	1.238E+02	6.144E+02	9.210E+05	6.188E+01
2008	2.210E+03	1.770E+06	1.189E+02	5.903E+02	8.849E+05	5.945E+01

Results (Continued)

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2009	2.123E+03	1.700E+06	1.142E+02	5.672E+02	8.502E+05	5.712E+01
2010	2.040E+03	1.634E+06	1.098E+02	5.449E+02	8.168E+05	5.488E+01
2011	1.960E+03	1.570E+06	1.055E+02	5.236E+02	7.848E+05	5.273E+01
2012	1.883E+03	1.508E+06	1.013E+02	5.031E+02	7.540E+05	5.066E+01
2013	1.809E+03	1.449E+06	9.735E+01	4.833E+02	7.245E+05	4.868E+01
2014	1.739E+03	1.392E+06	9.354E+01	4.644E+02	6.961E+05	4.677E+01
2015	1.670E+03	1.338E+06	8.987E+01	4.462E+02	6.688E+05	4.493E+01
2016	1.605E+03	1.285E+06	8.635E+01	4.287E+02	6.425E+05	4.317E+01
2017	1.542E+03	1.235E+06	8.296E+01	4.119E+02	6.174E+05	4.148E+01
2018	1.481E+03	1.186E+06	7.971E+01	3.957E+02	5.931E+05	3.985E+01
2019	1.423E+03	1.140E+06	7.658E+01	3.802E+02	5.699E+05	3.829E+01
2020	1.368E+03	1.095E+06	7.358E+01	3.653E+02	5.475E+05	3.679E+01
2021	1.314E+03	1.052E+06	7.069E+01	3.510E+02	5.261E+05	3.535E+01
2022	1.262E+03	1.011E+06	6.792E+01	3.372E+02	5.054E+05	3.396E+01
2023	1.213E+03	9.712E+05	6.526E+01	3.240E+02	4.856E+05	3.263E+01
2024	1.165E+03	9.332E+05	6.270E+01	3.113E+02	4.666E+05	3.135E+01
2025	1.120E+03	8.966E+05	6.024E+01	2.991E+02	4.483E+05	3.012E+01
2026	1.076E+03	8.614E+05	5.788E+01	2.873E+02	4.307E+05	2.894E+01
2027	1.034E+03	8.276E+05	5.561E+01	2.761E+02	4.138E+05	2.780E+01
2028	9.931E+02	7.952E+05	5.343E+01	2.653E+02	3.976E+05	2.671E+01
2029	9.541E+02	7.640E+05	5.133E+01	2.549E+02	3.820E+05	2.567E+01
2030	9.167E+02	7.341E+05	4.932E+01	2.449E+02	3.670E+05	2.466E+01
2031	8.808E+02	7.053E+05	4.739E+01	2.353E+02	3.526E+05	2.369E+01
2032	8.462E+02	6.776E+05	4.553E+01	2.260E+02	3.388E+05	2.276E+01
2033	8.130E+02	6.510E+05	4.374E+01	2.172E+02	3.255E+05	2.187E+01
2034	7.812E+02	6.255E+05	4.203E+01	2.087E+02	3.128E+05	2.101E+01
2035	7.505E+02	6.010E+05	4.038E+01	2.005E+02	3.005E+05	2.019E+01
2036	7.211E+02	5.774E+05	3.880E+01	1.926E+02	2.887E+05	1.940E+01
2037	6.928E+02	5.548E+05	3.728E+01	1.851E+02	2.774E+05	1.864E+01
2038	6.657E+02	5.330E+05	3.581E+01	1.778E+02	2.665E+05	1.791E+01
2039	6.396E+02	5.121E+05	3.441E+01	1.708E+02	2.561E+05	1.721E+01
2040	6.145E+02	4.921E+05	3.306E+01	1.641E+02	2.460E+05	1.653E+01
2041	5.904E+02	4.728E+05	3.176E+01	1.577E+02	2.364E+05	1.588E+01
2042	5.672E+02	4.542E+05	3.052E+01	1.515E+02	2.271E+05	1.526E+01
2043	5.450E+02	4.364E+05	2.932E+01	1.456E+02	2.182E+05	1.466E+01
2044	5.236E+02	4.193E+05	2.817E+01	1.399E+02	2.096E+05	1.409E+01
2045	5.031E+02	4.029E+05	2.707E+01	1.344E+02	2.014E+05	1.353E+01
2046	4.834E+02	3.871E+05	2.601E+01	1.291E+02	1.935E+05	1.300E+01
2047	4.644E+02	3.719E+05	2.499E+01	1.241E+02	1.859E+05	1.249E+01
2048	4.462E+02	3.573E+05	2.401E+01	1.192E+02	1.787E+05	1.200E+01
2049	4.287E+02	3.433E+05	2.307E+01	1.145E+02	1.716E+05	1.153E+01
2050	4.119E+02	3.298E+05	2.216E+01	1.100E+02	1.649E+05	1.108E+01
2051	3.958E+02	3.169E+05	2.129E+01	1.057E+02	1.584E+05	1.065E+01
2052	3.802E+02	3.045E+05	2.046E+01	1.016E+02	1.522E+05	1.023E+01
2053	3.653E+02	2.925E+05	1.966E+01	9.758E+01	1.463E+05	9.828E+00
2054	3.510E+02	2.811E+05	1.888E+01	9.376E+01	1.405E+05	9.442E+00
2055	3.372E+02	2.700E+05	1.814E+01	9.008E+01	1.350E+05	9.072E+00
2056	3.240E+02	2.595E+05	1.743E+01	8.655E+01	1.297E+05	8.716E+00
2057	3.113E+02	2.493E+05	1.675E+01	8.315E+01	1.246E+05	8.375E+00
2058	2.991E+02	2.395E+05	1.609E+01	7.989E+01	1.198E+05	8.046E+00
2059	2.874E+02	2.301E+05	1.546E+01	7.676E+01	1.151E+05	7.731E+00

Results (Continued)

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2060	2.761E+02	2.211E+05	1.486E+01	7.375E+01	1.105E+05	7.428E+00
2061	2.653E+02	2.124E+05	1.427E+01	7.086E+01	1.062E+05	7.136E+00
2062	2.549E+02	2.041E+05	1.371E+01	6.808E+01	1.020E+05	6.857E+00
2063	2.449E+02	1.961E+05	1.318E+01	6.541E+01	9.805E+04	6.588E+00
2064	2.353E+02	1.884E+05	1.266E+01	6.285E+01	9.420E+04	6.329E+00
2065	2.261E+02	1.810E+05	1.216E+01	6.038E+01	9.051E+04	6.081E+00
2066	2.172E+02	1.739E+05	1.169E+01	5.801E+01	8.696E+04	5.843E+00
2067	2.087E+02	1.671E+05	1.123E+01	5.574E+01	8.355E+04	5.614E+00
2068	2.005E+02	1.605E+05	1.079E+01	5.355E+01	8.027E+04	5.394E+00
2069	1.926E+02	1.543E+05	1.036E+01	5.145E+01	7.713E+04	5.182E+00
2070	1.851E+02	1.482E+05	9.958E+00	4.944E+01	7.410E+04	4.979E+00
2071	1.778E+02	1.424E+05	9.567E+00	4.750E+01	7.120E+04	4.784E+00
2072	1.708E+02	1.368E+05	9.192E+00	4.564E+01	6.840E+04	4.596E+00
2073	1.642E+02	1.314E+05	8.832E+00	4.385E+01	6.572E+04	4.416E+00
2074	1.577E+02	1.263E+05	8.485E+00	4.213E+01	6.315E+04	4.243E+00
2075	1.515E+02	1.213E+05	8.153E+00	4.048E+01	6.067E+04	4.076E+00
2076	1.456E+02	1.166E+05	7.833E+00	3.889E+01	5.829E+04	3.917E+00
2077	1.399E+02	1.120E+05	7.526E+00	3.736E+01	5.600E+04	3.763E+00
2078	1.344E+02	1.076E+05	7.231E+00	3.590E+01	5.381E+04	3.615E+00
2079	1.291E+02	1.034E+05	6.947E+00	3.449E+01	5.170E+04	3.474E+00
2080	1.241E+02	9.934E+04	6.675E+00	3.314E+01	4.967E+04	3.337E+00
2081	1.192E+02	9.545E+04	6.413E+00	3.184E+01	4.772E+04	3.207E+00
2082	1.145E+02	9.171E+04	6.162E+00	3.059E+01	4.585E+04	3.081E+00
2083	1.100E+02	8.811E+04	5.920E+00	2.939E+01	4.405E+04	2.960E+00
2084	1.057E+02	8.465E+04	5.688E+00	2.824E+01	4.233E+04	2.844E+00
2085	1.016E+02	8.134E+04	5.465E+00	2.713E+01	4.067E+04	2.732E+00
2086	9.759E+01	7.815E+04	5.251E+00	2.607E+01	3.907E+04	2.625E+00
2087	9.376E+01	7.508E+04	5.045E+00	2.505E+01	3.754E+04	2.522E+00
2088	9.009E+01	7.214E+04	4.847E+00	2.406E+01	3.607E+04	2.423E+00
2089	8.656E+01	6.931E+04	4.657E+00	2.312E+01	3.465E+04	2.328E+00
2090	8.316E+01	6.659E+04	4.474E+00	2.221E+01	3.330E+04	2.237E+00
2091	7.990E+01	6.398E+04	4.299E+00	2.134E+01	3.199E+04	2.149E+00
2092	7.677E+01	6.147E+04	4.130E+00	2.051E+01	3.074E+04	2.065E+00
2093	7.376E+01	5.906E+04	3.968E+00	1.970E+01	2.953E+04	1.984E+00
2094	7.087E+01	5.675E+04	3.813E+00	1.893E+01	2.837E+04	1.906E+00
2095	6.809E+01	5.452E+04	3.663E+00	1.819E+01	2.726E+04	1.832E+00
2096	6.542E+01	5.238E+04	3.520E+00	1.747E+01	2.619E+04	1.760E+00
2097	6.285E+01	5.033E+04	3.382E+00	1.679E+01	2.516E+04	1.691E+00
2098	6.039E+01	4.836E+04	3.249E+00	1.613E+01	2.418E+04	1.625E+00
2099	5.802E+01	4.646E+04	3.122E+00	1.550E+01	2.323E+04	1.561E+00

Results (Continued)

Year						
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
1959	0	0	0	0	0	0
1960	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1961	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1962	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1963	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1964	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1965	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1966	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1967	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1968	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1969	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1970	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1971	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1972	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1973	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1974	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1975	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1976	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1977	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1978	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1979	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1980	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1981	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1982	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1983	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1984	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1985	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1986	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1987	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1988	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1989	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1990	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1991	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1992	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1993	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1994	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1995	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1996	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1997	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1998	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1999	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2001	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2002	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2003	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2004	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2005	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2006	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2007	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2008	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Results (Continued)

Year						
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2009	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2010	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2011	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2012	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2013	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2014	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2015	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2016	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2017	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2018	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2019	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2020	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2021	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2022	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2023	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2024	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2025	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2026	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2027	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2028	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2029	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2030	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2031	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2032	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2033	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2034	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2035	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2036	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2037	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2038	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2039	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2040	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2041	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2042	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2043	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2044	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2045	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2046	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2047	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2048	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2049	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2050	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2051	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2052	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2053	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2054	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2055	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2056	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2057	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2058	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2059	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Results (Continued)

Year						
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2060	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2061	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2062	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2063	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2064	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2065	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2066	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2067	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2068	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2069	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2070	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2071	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2072	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2073	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2074	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2075	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2076	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2077	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2078	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2079	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2080	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2081	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2082	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2083	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2084	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2085	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2086	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2087	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2088	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2089	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2090	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2091	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2092	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2093	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2094	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2095	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2096	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2097	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2098	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2099	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

APPENDIX E

Site Inspection Summaries

Attachment E-1

Cover Integrity Inspections

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 1/30/17 **Inspected By:** (print name) Jake Margelofsky **Date of Previous Inspection:** 12/07/16

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into South Expansion					

1/30/17
Date

JW
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			

Notes

LDPS started ~~for~~ 2017 Gas Improvements project in Cap area on west side of South Expansion. Trenching in gas ~~for~~ piping. Areas will need seeding in spring

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 2/13/17 **Inspected By:** (print name) Jacob Marquardt **Date of Previous Inspection:** 1/30/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					
Snow melt during inspection. Stormwater controls in good working order					

LCRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into south expansion					

Page 2

2/13/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			

	Defects Found		Coordinates	Description of Defect	Date of Correction
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)	Phase 6 North Slope	- Area of erosion + gas bubbly	2/13/17

Notes

Tracked clay down to small area of Phase 6 North Slope on 2/13/17

Note LOPS working on installing 6 wells on the west slopes of Phase 1, 2, 3

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 3/29/17 **Inspected By:** (print name) Jacob Murgalofsky **Date of Previous Inspection:** 2/13/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					
All in good working order					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into south expansion					

3/29/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)		South + West Slope	

Notes

- Jumper line installed to GE116 from GE111 during day
- South slope needs seeding
- West slope areas where gas wells were installed needs to be seeded

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 4/24/17 **Inspected By:** (print name) Jacob Margelofsky **Date of Previous Inspection:** 3/29/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into Southeast expansion					

4/24/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)	South slope	Erosion	

Notes

Some erosion from recent rains on south slope. Being addressed by dozers

Seeders on site at time of inspection seeding area where Wells 169, 170, 171, 172, 174, 175 were installed.
Also seeding area on west slope + south slope

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 5/19/17 **Inspected By:** (print name) Jacob Margelofsky **Date of Previous Inspection:** 4/24/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated to south expansion					

5/19/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)	South Slope		

Notes

Additional areas were seeded. Awaiting seed to take on south + west slope
- can see areas where it is starting to green up

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 6/20/17 **Inspected By:** (print name) Jacob Margeletich **Date of Previous Inspection:** 5/19/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			

Notes

Hill being mowed. About 1/4 finished

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			

Notes

Relocated to south expansion

6/29/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			

Notes

Grass starting to take on North, East, & South slopes. Soils stripped on North slope in fitting area ready for gas piping this summer

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 7/31/17 **Inspected By:** (print name) Jacob Margelofsky **Date of Previous Inspection:** 6/26/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated to South Expansion					

7/31/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)	GC 122	Small weep	7/31/17

Notes

Rip Rap being hauled to place around cove transition
Operator staking small seep near well 122

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 8/21/17 **Inspected By:** (print name) Jake Margelofsky **Date of Previous Inspection:** 7/31/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into south expansion					

8/21/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			

Notes

Area on south slope that was seeded is starting to show signs of grass coming through

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 9/18/17 **Inspected By:** (print name) Jacob Margoloff **Date of Previous Inspection:** 8/21/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated to Southeast expansion					

Page 2

9/18/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			

Notes

ADS mowing vegetation on south expansion

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 10/23/17 **Inspected By:** (print name) Jacob Mrozolofsky **Date of Previous Inspection:** 9/18/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into Southeast Expansion					

10/23/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)		See below	

Notes

Area where future gas piping to be installed, has been cut to grade. It does not have topsoil on in until after piping is installed

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 11/15/17 **Inspected By:** (print name) Jacob Margelofsky **Date of Previous Inspection:** 10/23/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into Southeast Expansion					

11/15
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)		See Below	

Notes

North slope of Phase 6 has had 10% overfill removed in preperation of future gas piping to be installed yet this fall. The area will be topsoiled & seeded following gas pipe installation

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

Date of Inspection: 12/29/17 **Inspected By:** (print name) Jacob Mangelofsky **Date of Previous Inspection:** 11/15/17

Reference:

April 4th, 2007 | Construction Air Permit Number: 03 – SDD – 281 | (page 19)

"The permittee shall conduct monthly inspections of closed landfill areas that contain gas extraction wells for equipment malfunctions, cap cracks, erosion, vegetable distress, and any other visible signs of needed cover maintenance, and implement cover repairs as necessary"

North Hill (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	(No)	Yes			
Notes					
Four wellheads had frozen sample ports that needed replacing					

LGRL (Hechimovich Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	No	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	Yes			
Notes					
Relocated into southeast expansion					

Advanced Disposal

Glacier Ridge Landfill

Horicon, WI

Cover Integrity
Monthly
Inspection Worksheet

12/28/17
Date

JM
Inspector's Initials

South Expansion (Glacier Ridge Landfill)	Defects Found (circle one)		Well ID No.	Description of Defect	Date of Correction
Inspect all gas extraction wells for damage / malfunction	(No)	Yes			
	Defects Found		**Coordinates**	**Description of Defect**	**Date of Correction**
Inspect cover soils and vegetation for signs of distress - e.g. - dead vegetation, cracks, erosion, animal burrows, weather related	No	(Yes)		See Below	

Notes

North slope at Phase 5 has been under construction. Gas well drilling has been taking place and trenching soon to follow.

Topsoiling & seeding will occur in spring after construction is finished

Attachment E-2

Litter Control Tracking

GRL 2017 Litter Controll Tracking

Jan-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
1/2/17	**4-18**	**ENE**	**30s**	**Dry**	**1**	**8.25**			8.25	
1/3/2017	4-31	ENE	20s	Dry	1	8.4			8.4	
1/4/2017	10-32	WSW	3	Dry	1	7.3			7.3	
1/5/2017	5-25	WSW	0	Dry	1	10.27			10.27	
1/6/2017	5-18	WSW	0	Dry	0	0			0	
1/7/2017	4-27	WSW	3	Dry					0	
									0	
1/9/2017	2-16	SSE	22	Wet	1	8.28			8.28	
1/10/2017	8-44	SSE	31	Wet	1	5.62			5.62	
1/11/2017	5-25	NE	20	Dry	1	8.4			8.4	
1/12/2017	5-19	WSW	18	Dry	1	8.18			8.18	
1/13/2017	3-15	NE	12	Dry	0	0			0	
1/14/2017	1-10	NNE	24	Dry					0	
									0	
1/16/2017	2-18	E	30	Wet	1	5.7			5.7	
1/17/2017	2-13	WSW	33	Wet	1	4.87			4.87	
1/18/2017	2-16	S	33	Dry	1	7.5			7.5	
1/19/2017	1-12	S	35	Dry	1	8.3			8.3	
1/20/2017	3-15	ENE	35	Wet	1	7.23			7.23	
1/21/2017	1-11	ENE	41	Dry					0	
									0	
1/23/2017	1-8	NNW	35	Dry	1	8.32			8.32	
1/24/2017	1-10	WSW	34	Dry	1	9.08			9.08	
1/25/2017	4-18	ENE	32	Wet	1	6.8			6.8	
1/26/2017	3-17	WSW	29	Dry	1	7.6			7.6	
1/27/2017	6-20	WSW	24	Dry	1	7.48			7.48	
1/28/2017	4-19	WSW	23	Dry					0	
1/30/2017	1-15	S	17	Dry	1	8.17			8.17	
1/31/2017	4-24	WSW	28	Dry	1	7.28			7.28	

GRL 2017 Litter Controll Tracking

Feb-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
2/1/17	**3-20**	**WSW**	**22**	**Dry**	**1**	**7.37**			7.37	
2/2/2017	4-21	WSW	9	Dry	1	10.1			10.1	
2/3/2017	4-19	WSW	10	Dry	1	7.55			7.55	
2/4/2017	2-19	S	19	Dry					0	
									0	
2/6/2017	2-15	ENE	29	Dry	1	8.65			8.65	
2/7/2017	6-26	ENE	32	Wet	1	8.52			8.52	
2/8/2017	3-21	NW	18	Wet	1	8.37			8.37	
2/9/2017	4-23	WSW	11	Dry	1	8.2			8.2	
2/10/2017	3-20	S	29	Dry	1	8.3			8.3	
2/11/2017	2-18	ENE	36	Dry					0	
									0	
2/13/2017	2-16	SSW	33	Dry	1	8.33			8.33	
2/14/2017	6-27	WSW	35	Dry	1	8.32			8.32	
2/15/2017	4-20	NW	25	Dry	1	7.28			7.28	
2/16/2017	2-13	SE	31	Dry	1	8.23			8.23	
2/17/2017	1-11	S	45	Dry	1	8.35			8.35	
2/18/2017	2-12	SW	46	Dry					0	
									0	
2/20/2017	3-17	SW	52	Wet	1	8.27			8.27	
2/21/2017	1-25	SW	52	Wet	1	8.82			8.82	
2/22/2017	2-17	SW	55	Dry	1	9.13			9.13	
2/23/2017	8-33	ENE	39	Wet	1	8.38			8.38	
2/24/2017	4-33	ENE	29	Wet	1	7.02			7.02	
2/25/2017	0	-	18	Wet					0	
									0	
2/27/2017	1-12	S	38	Dry	1	8.23			8.23	
2/28/2017	4-18	ENE	43	Wet	1	7.12			7.12	
									0	
									0	

164.54

GRL 2017 Litter Controll Tracking

Mar-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
3/1/17	**6-19**	**NE**	**29**	**Wet**	**1**	**7.1**			7.1	
3/2/2017	3-22	WSW	21	Dry	1	6.52			6.52	
3/3/2017	2-15	SW	17	Dry	1	6.38			6.38	
3/4/2017	4-21	SE	28	Dry					0	
									0	
3/6/2017	5-25	S	53	Dry	1	8.23			8.23	
3/7/2017	8-44	SW	43	Wet	1	8.08			8.08	
3/8/2017	13-51	WSW	36	Dry	1	7.92			7.92	
3/9/2017	3-16	N	31	Dry	1	10.77	9	23.75	34.52	
3/10/2017	6-22	N	19	Dry	1	8.78	4	21.5	30.28	
3/11/2017	4-18	N	17	Dry	1	5.53	37	140	145.53	
									0	
3/13/2017	11-30	NE	20	Dry	1	5.58			5.58	
3/14/2017	6-22	NE	16	Dry	1	6.55			6.55	
3/15/2017	2-19	WSW	22	Dry	1	8.28			8.28	
3/16/2017	1-12	S	29	Dry	1	8.28			8.28	
3/17/2017	2-14	SSE	36	Wet	1	5.48			5.48	
3/18/2017	4-21	WSW	34	Dry					0	
									0	
3/20/2017	3-20	NE	44	Dry	1	9.27			9.27	
3/21/2017	5-22	N	36	Dry	1	9.58			9.58	
3/22/2017	4-22	ENE	27	Dry	1	8.28			8.28	
3/23/2017	4-20	SSE	36	Dry	1	9.18	5	35	44.18	
3/24/2017	5-22	ENE	44	Dry	1	8.33	2	8	16.33	
3/25/2017	12-27	ENE	36	Dry					0	
									0	
3/27/2017	2-11	ENE	41	Dry	1	8.25			8.25	
3/28/2017	4-14	ENE	43	Dry	1	8.32			8.32	
3/29/2017	6-23	ENE	39	Dry	1	8.65			8.65	
3/30/2017	13-42	ENE	36	Wet	1	1.4			1.4	
3/31/2017	8-24	NE	37	Dry	1	7.57			7.57	

GRL 2017 Litter Controll Tracking

Apr-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
4/1/17	**1-16**	**SW**	**45**	**Dry**	**1**	**4.85**	**28**	**112**	116.85	
		S	47						0	
4/3/2017	5-22	ENE	45	Wet	1	8.27			8.27	
4/4/2017	4-17	NNE	46	Wet	1	2.33			2.33	
4/5/2017	7-25	ENE	40	Wet	1	6.5			6.5	
4/6/2017	9-28	NNE	41	Dry	1	10.22			10.22	
4/7/2017	3-17	N	42	Dry	1	8.77			8.77	
4/8/2017	3-23	S	5464	Dry	1	5.28	54	177.75	183.03	
									0	
4/10/2017	7-34	ENE	39	Wet	1	8.3			8.3	
4/11/2017	4-20	WSW	46	Dry	1	9.32			9.32	
4/12/2017	1-14	SE	45	Dry	1	9.4			9.4	
4/13/2017	5-21	ENE	50	Wet	1	9.53			9.53	
4/14/2017	4-18	SE	65	Wet	1	9.02			9.02	
4/15/2017	3-28	SSW	59	Wet					0	
									0	
4/17/2017	5-24	ENE	57	Dry	1	8.7			8.7	
4/18/2017	3-22	S	51	Dry	1	10			10	
4/19/2017	6-29	ENE	47	Wet	1	8.48	2	16.5	24.98	
4/20/2017	8-29	WSW	45	Wet	0	0	4	34	34	
4/21/2017	6-27	NE	49	Wet	0	0	4	33	33	
4/22/2017	2-11	NE	50	Dry					0	
									0	
4/24/2017	5-18	SE	56	Dry	1	9.38			9.38	
4/25/2017	4-17	SE	65	Dry	1	8.53			8.53	
4/26/2017	3-16	SSW	61	Dry	1	8.27			8.27	
4/27/2017	7-25	WSW	41	Wet	1	6.12			6.12	
4/28/2017	3-21	SW	43	Wet	0	0			0	
4/29/2017	11-31	ENE	40	Wet					0	
4/30/2017	14-32	ENE	39	Wet						
									524.52	

GRL 2017 Litter Controll Tracking

May-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
5/1/17	**5-33**	**SSW**	**44**	**Wet**	**1**	**5.72**	**0**	**0**	5.72	
5/2/2017	6-26	WSW	42	Dry	1	8.33	0	0	8.33	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/3/2017	1-15	SE	48	Dry	1	8.43			8.43	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/4/2017	3-20	EBE	50	Dry	1	10.28			10.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/5/2017	7-22	BE	49	Wet	1	8.28			8.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/6/2017	5-25	BE	49	Dry					0	
									0	
5/8/2017	3-14	EBE	45	Dry	1	5.23			5.23	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/9/2017	1-15	SE	50	Dry	1	8.55			8.55	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/10/2017	1-13	S	56	Wet	1	8.32			8.32	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/11/2017	2-12	EBE	58	Dry	1	8.37			8.37	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/12/2017	2-13	EBE	58	Dry	1	8.37			8.37	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/13/2017	3-22	S	61	Dry					0	
									0	
5/15/2017	3-25	SE	62	Wet	1	8.65			8.65	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/16/2017	2-21	S	71	Wet	1	8.23			8.23	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/17/2017	3-44	S	73	Wet	1	8.45			8.45	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/18/2017	5-24	BE	59	Dry	1	8.58			8.58	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/19/2017	10-28	EBE	43	Dry	1	6.93			6.93	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/20/2017	6-25	EBE	47	Wet					0	
									0	
5/22/2017	3-23	SW	56	Dry	1	8.47			8.47	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/23/2017	3-19	SSW	57	Wet	1	8.22			8.22	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/24/2017	6-17	NE	51	Dry	1	8.32			8.32	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/25/2017	4-15	NE	57	Dry	1	8.27			8.27	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/26/2017	1-11	SE	62	Dry	1	6.95			6.95	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/27/2017	1-13	SW	66	Dry					0	
									0	
5/29/2017	5-30	SW	59	Wet					0	
5/30/2017	5-29	WSW	57	Dry	1	8.27			8.27	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
5/31/2017	4-24	WSW	59	Dry	1	8.45			8.45	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.

177.67

GRL 2017 Litter Controll Tracking

Jun-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
6/1/17	1-15	SW	63	Dry	**1**	**8.32**			8.32	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/2/2017	1-15	SSW	70	Dry	1	7.38			7.38	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/3/2017	1-19	S	71	Wet					0	
									0	
6/5/2017	7-22	ENE	63	Dry	1	8.37			8.37	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/6/2017	4-22	ENE	62	Dry	1	10.23			10.23	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/7/2017	1-15	ENE	66	Dry	1	8.5			8.5	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/8/2017	1-15	SSW	70	Dry	1	8.3			8.3	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/9/2017	2-14	ENE	68	Dry	1	9.48			9.48	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/10/2017	3-21	S	77	Dry					0	
									0	
6/12/2017	2-67	SSW	80	Wet	1	7.42			7.42	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/13/2017	3-21	ENE	71	Wet	1	4.08			4.08	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/14/2017	2-34	S	74	Wet	1	7.93			7.93	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/15/2017	2-18	WSW	76	Dry	1	8.28			8.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/16/2017	1-16	SSW	77	Wet	1	6.28			6.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/17/2017	1-16	SW	74	Wet					0	
	5-31	WSW	68	Wet					0	
6/19/2017	3-41	WSW	63	Wet	1	6.58			6.58	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/20/2017	1-19	SW	60	Wet	1	8.45			8.45	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/21/2017	1-11	S	68	Dry	1	8.2			8.2	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/22/2017	1-14	S	70	Wet	1	8.28			8.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/23/2017	3-22	WSW	68	Wet	1	7.5			7.5	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/24/2017	5-26	WSW	61	Dry			16	48	48	Horicon and Mayville Snowmobile club paper pickup
	4-23	SW	57	Dry					0	
6/26/2017	4-24	WSW	56	Dry	1	8.33			8.33	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/27/2017	1-17	SW	62	Dry	1	8.42			8.42	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/28/2017	3-19	S	62	Wet	1	7.05			7.05	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/29/2017	4-23	SW	71	Dry	1	8.38			8.38	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
6/30/2017	1-13	SW	72	Dry	1	8.93			8.93	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
									0	

222.69

GRL 2017 Litter Controll Tracking

Jul-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
7/1/17	2-16	SW	70	Dry					0	
									0	
7/3/2017	3-16	ENE	68	Wet					0	Trash Screens adjusted at working face.
									0	
7/5/2017	1-17	SW	74	Dry	1	8.33			8.33	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/6/2017	2-40	SW	78	Wet	1	10.27			10.27	Trash Screens adjusted at working face.
7/7/2017	3-31	N	71	Wet	1	7.37			7.37	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/8/2017	1-13	SW	67	Dry					0	
									0	
7/10/2017	1-15	ENE	74	Wet	1	8.27			8.27	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/11/2017	0-11	SSW	76	Dry	1	8.67			8.67	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/12/2017	2-25	SSW	76	Wet	1	1.23			1.23	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/13/2017	2-15	WSW	71	Dry	1	8.23			8.23	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/14/2017	2-12	N	62	Dry					0	Trash Screens adjusted at working face.
7/15/2017	1-30	SW	70	Wet					0	
									0	
7/17/2017	1-12	ENE	66	Dry	1	8.32			8.32	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/18/2017	1-16	S	74	Wet	1	8.38			8.38	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/19/2017	2-24	ENE	74	Wet	1	8.32			8.32	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/20/2017	2-19	SW	74	Wet	1	8.3			8.3	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/21/2017	1-15	ENE	72	Wet	1	6.42			6.42	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/22/2017	1-10	ENE	71	Wet					0	
									0	
7/24/2017	4-17	ENE	66	Dry	1	8.25			8.25	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/25/2017	1-12	S	69	Dry	1	8.67			8.67	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/26/2017	1-12	S	71	Wet					0	Trash Screens adjusted at working face.
7/27/2017	5-19	EBE	72	Wet	1	8.35			8.35	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/28/2017	5-17	EBE	67	Dry	1	7.55			7.55	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
7/29/2017	2-13	EBE	66	Dry					0	
									0	
7/31/2017	1-10	SW	73	Dry	1	8.5			8.5	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.

133.43

GRL 2017 Litter Controll Tracking

Aug-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
8/1/17	1-15	SW	72	DRY	1	8.3			8.3	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/2/2017	3-19	ENE	70	DRY	1	8.28			8.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/3/2017	3-20	ENE	65	WET	1	10.67			10.67	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/4/2017	4-24	SW	58	WET	1	6.7			6.7	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/5/2017	1-15	SW	65	WET	1	3.53		48.5	52.03	Boy Scouts Paper Pickup
									0	
8/7/2017	2-15	ENE	65	DRY	1	8.9			8.9	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/8/2017	1-16	SW	68	DRY	1	8.38			8.38	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/9/2017	1-12	SW	71	DRY	1	8.35			8.35	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/10/2017	1-18	S	70	WET	1	8.42			8.42	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/11/2017	2-15	NNE	64	WET	1	7.38			7.38	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/12/2017	1-13	NNE	63	DRY					0	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
									0	
8/14/2017	0-9	S	70	DRY	1	8.38		50	58.38	Horicon Lions Club picked up HWY V
8/15/2017	2-14	ENE	67	DRY	1	8.28			8.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/16/2017	3-15	ENE	69	WET					0	Trash Screens adjusted at working face.
8/17/2017	4-22	SW	72	WET	1	8.43			8.43	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/18/2017	4-18	WSW	67	DRY	1	8.77			8.77	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/19/2017	1-13	SW	69	DRY					0	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
									0	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/21/2017	1-12	S	72	DRY	1	8.67			8.67	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/22/2017	4-28	SW	68	DRY	1	8.33			8.33	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/23/2017	1-17	SW	62	DRY	1	10.5			10.5	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/24/2017	3-15	NE	58	DRY	1	8.38			8.38	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/25/2017	1-11	ENE	59	DRY	1	6.25			6.25	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/26/2017	1-9	SE	63	DRY					0	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
									0	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/28/2017	2-16	ESE	66	WET	1	8.35			8.35	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/29/2017	2-13	NE	63	DRY	1	8.23			8.23	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/30/2017	2-23	SW	65	WET	1	8.37			8.37	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
8/31/2017	7-22	ENE	58	DRY	1	8.32			8.32	Trash Screens adjusted at working face. Paper picker on site.

286.67

GRL 2017 Litter Controll Tracking

Sep-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
9/1/17	2-18	ENE	57	DRY	0				0	Trash Screens adjusted at working face.
9/2/2017	0-15	ENE	56	WET	0				0	Trash Screens adjusted at working face.
									0	
									0	
9/5/2017	3-20	WSW	54	WET	1	8.3			8.3	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/6/2017	2-17	N	52	WET	1	8.35			8.35	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/7/2017	1-16	WSW	56	WET	1	10.28			10.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/8/2017	4-16	ENE	55	WET	1	7.33			7.33	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/9/2017	2-13	ENE	58	DRY					0	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
									0	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/11/2017	0-11	S	61	DRY	1	8.37			8.37	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/12/2017	0-9	E	66	DRY	1	8.23			8.23	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/13/2017	1-11	ENE	65	DRY	1	8.33			8.33	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/14/2017	1-10	S	68	DRY	1	8.27			8.27	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/15/2017	1-12	S	74	DRY	1	8.08			8.08	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/16/2017	1-14	S	76	DRY	1	3.68		39	42.68	Boy Scout Troop 718 Paper Pickup
									0	
9/18/2017	2-17	ENE	60	DRY	1	9.6			9.6	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/19/2017	2-16	ENE	66	DRY	1	8.32			8.32	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/20/2017	3-35	SSE	92	DRY	1	8.32			8.32	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/21/2017	1-13	ENE	91	Wet	1	8.38			8.38	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/22/2017	1-14	S	93	DRY	1	6.08			6.08	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/23/2017	1-10	S	95	DRY	0				0	
									0	
9/25/2017	1-11	S	78	DRY	1	8.4			8.4	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/26/2017	3-19	WSW	71	DRY	1	8.37			8.37	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/27/2017	3-20	WSW	57	DRY	1	8.35			8.35	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/28/2017	2-19	SW	58	DRY	1	8.3			8.3	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/29/2017	3-21	NE	55	DRY	1	8.28			8.28	Trash Screens adjusted at working face. Pickers on haul roads, fences and LF grounds.
9/30/2017	1-13	SE	54	DRY	0		16	32	32	Mayville Snowmobile Club Pickup

232.62

GRL 2017 Litter Controll Tracking

Oct-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
10/2/17	4-17	SSE	69	DRY	1	8.32			8.32	Trash Screens adjusted at working face. Paper picker on site.
10/3/2017	3-19	S	71	DRY	1	8.48			8.48	Trash Screens adjusted at working face. Paper picker on site.
10/4/2017	3-19	WSW	60	DRY	1	8.38			8.38	Trash Screens adjusted at working face. Paper picker on site.
10/5/2017	1-11	ENE	54	WET	1	8.35			8.35	Trash Screens adjusted at working face. Paper picker on site.
10/6/2017	2-18	SE	60	WET	1	7.43			7.43	Trash Screens adjusted at working face. Paper picker on site.
10/7/2017	4-27	S	64	WET					0	
									0	
10/9/2017	1-13	NE	58	WET	1	8.38			8.38	Trash Screens adjusted at working face. Paper picker on site.
10/10/2017	8-26	ENE	50	WET	1	8.47			8.47	Trash Screens adjusted at working face. Paper picker on site.
10/11/2017	9-27	ENE	53	WET	1	8.25			8.25	Trash Screens adjusted at working face. Paper picker on site.
10/12/2017	1-13	SE	56	WET	1	10.33			10.33	Trash Screens adjusted at working face. Paper picker on site.
10/13/2017	1-12	SSW	57	WET	1	8.6			8.6	Trash Screens adjusted at working face. Paper picker on site.
10/14/2017	5-19	ENE	57	WET					0	
									0	
10/16/2017	1-17	SW	50	WET	1	8.35			8.35	Trash Screens adjusted at working face. Paper picker on site.
10/17/2017	2-18	SSW	56	DRY	1	8.35			8.35	Trash Screens adjusted at working face. Paper picker on site.
10/18/2017	2-21	S	58	DRY	1	8.35			8.35	Trash Screens adjusted at working face. Paper picker on site.
10/19/2017	1-14	S	57	DRY	1	8.35			8.35	Trash Screens adjusted at working face. Paper picker on site.
10/20/2017	2-18	S	63	DRY	1	6.4			6.4	Trash Screens adjusted at working face. Paper picker on site.
10/21/2017	4-19	S	67	DRY	1	3.3		60	63.3	Mayville Wrestling Paper Pickup.
									0	
10/23/2017	1-15	WSW	49	WET	1	8.37			8.37	Trash Screens adjusted at working face. Paper picker on site.
10/24/2017	6-29	W	44	WET	1	4.05			4.05	Trash Screens adjusted at working face. Paper picker on site.
10/25/2017	3-16	WSW	40	WET	1	8.37			8.37	Trash Screens adjusted at working face.
10/26/2017	3-21	SE	48	DRY	1	8.33			8.33	Trash Screens adjusted at working face. Paper picker on site.
10/27/2017	5-25	SW	39	DRY	1	6.65			6.65	Trash Screens adjusted at working face. Paper picker on site.
10/28/2017	5-24	WSW	36	DRY					0	
									0	
10/30/2017	7-34	WSW	37	DRY	1	8.25			8.25	Trash Screens adjusted at working face. Paper picker on site.
10/31/2017	5-23	WSW	33	DRY	1	8.4			8.4	

GRL 2017 Litter Controll Tracking

Nov-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
11/1/17	2-15	SSE	37	Wet	1	8.35	0	0	8.35	Trash Screens adjusted at working face. Paper picker on site.
11/2/2017	1-16	SSW	43	Wet	1	10.15	0	0	10.15	Trash Screens adjusted at working face. Paper picker on site.
11/3/2017	5-18	ENE	38	Wet	1	7.58	0	0	7.58	Trash Screens adjusted at working face. Paper picker on site.
11/4/2017	4-26	ENE	42	Wet			0	0	0	
11/6/2017	2-14	NW	32	Dry	1	8.35	0	0	8.35	
11/7/2017	2-11	NNE	33	Dry	1	8.37	0	0	8.37	Trash Screens adjusted at working face. Paper picker on site.
11/8/2017	2-20	SW	32	Dry	1	8.35	0	0	8.35	Trash Screens adjusted at working face. Paper picker on site.
11/9/2017	5-28	NW	27	Dry	1	8.25	0	0	8.25	Trash Screens adjusted at working face. Paper picker on site.
11/10/2017	3-14	NE	21	Dry	1	8.45	0	0	8.45	Trash Screens adjusted at working face. Paper picker on site.
11/11/2017	3-16	SW	31	Dry			0	0	0	Trash Screns adjusted at working face.
							0	0	0	
11/13/2017	1-11	SW	33	Wet	1	8.43	4	21	29.43	Trash Screens adjusted at working face. Paper picker on site.
11/14/2017	3-18	S	40	Dry	1	8.42	0	0	8.42	Trash Screens adjusted at working face. Paper picker on site.
11/15/2017	5-31	S	40	Wet	1	6.7	0	0	6.7	Trash Screens adjusted at working face. Paper picker on site. Working face sheltered
11/16/2017	3-25	SE	40	Wet	1	8.35	0	0	8.35	Trash Screens adjusted at working face. Paper picker on site.
11/17/2017	3-21	SSE	37	Wet	1	8.27	0	0	8.27	Trash Screens adjusted at working face. Paper picker on site.
11/18/2017	6-25	NNE	35	Wet			0	0	0	
							0	0	0	
11/20/2017	3-19	S	39	Dry	1	8.35	0	0	8.35	Trash Screens adjusted at working face. Paper pickers on site.
11/21/2017	4-29	SSW	32	Dry	1	8.27	0	0	8.27	Trash Screens adjusted at working face. Paper pickers on site.
11/22/2017	1-14	SSW	25	Dry	1	6.48	0	0	6.48	Trash Screens adjusted at working face. Paper pickers on site.
11/23/2017	1-14	SSW	34	Dry	0	0	0	0	0	Trash Screns adjusted at working face.
11/24/2017	4-20	S	48	Dry	0	0	0	0	0	Trash Screns adjusted at working face.
11/25/2017	4-24	WSW	37	Dry	0	0	0	0	0	Trash Screns adjusted at working face.
									0	
11/27/2017	3-18	SE	43	Dry	1	8.38	0	0	8.38	Trash Screens adjusted at working face. Paper picker on site.
11/28/2017	4-19	SSW	48	Dry	1	8.35	0	0	8.35	Trash Screens adjusted at working face. Paper picker on site.
11/29/2017	3-19	SE	35	Dry	1	8.33	0	0	8.33	Trash Screens adjusted at working face. Paper pickers on site.
11/30/2017	4-27	WSW	39	Dry	1	8.4	0	0	8.4	Trash Screens adjusted at working face. Paper pickers on site.

185.58

GRL 2017 Litter Controll Tracking

Dec-17

Date	Wind (mph)	Wind Direction (from)	Temp (^{0}F)	Dry/Wet	No. of ADS Pickers	ADS Picker Hours Worked	No. of Contract Pickers	Contractor Picker Hours Worked	Total Picker Hours	Remarks
12/1/17	1-11	SSW	37	Dry	1	8.05	0	0	8.05	Trash Screens adjusted at working face. Paper picker on site.
12/2/2017	1-11	S	40	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
									0	
12/4/2017	5-31	S	53	Wet	1	10.23	0	0	10.23	Trash Screens adjusted at working face. Paper picker on site. Additional cover applied. Working face minimized.
12/5/2017	12-40	SW	28	Wet	1	8.35	0	0	8.35	Trash Screens adjusted at working face. Paper picker on site. Additional cover applied. Working face minimized.
12/6/2017	7-27	WSW	22	Dry	1	9.12	4	32	41.12	Trash Screens adjusted at working face. Paper picker on site.
12/7/2017	5-22	WSW	18	Dry	1	8.38	0	0	8.38	Trash Screens adjusted at working face. Paper picker on site.
12/8/2017	2-18	SW	23	Dry	1	8.77	0	0	8.77	Trash Screens adjusted at working face. Paper picker on site.
12/9/2017	4-21	N	21	Dry	0	0	0	0	0	
									0	
12/11/2017	3-24	S	26	Dry	1	8.35	0	0	8.35	
12/12/2017	4-19	WSW	16	Dry	1	7.53	0	0	7.53	Trash Screens adjusted at working face. Paper picker on site.
12/13/2017	4-22	SSE	23	Dry	1	8.22	0	0	8.22	Trash Screens adjusted at working face. Paper picker on site.
12/14/2017	1-10	SW	15	Dry	1	8.33	0	0	8.33	Trash Screens adjusted at working face. Paper picker on site.
12/15/2017	3-23	WSW	23	Dry	1	7.23	0	0	7.23	Trash Screens adjusted at working face. Paper picker on site.
12/16/2017	6-18	ENE	28	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
	2-16	ENE	30	Dry	0	0	0	0	0	
12/18/2017	2-17	SSW	33	Dry	0	0	0	0	0	
12/19/2017	5-22	WSW	36	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/20/2017	3-12	ENE	21	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/21/2017	6-20	ENE	28	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/22/2017	2-9	WSW	29	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/23/2017	2-20	WSW	16	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
					0	0	0	0	0	
					0	0	0	0	0	
12/26/2017	4-18	WSW	-3	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/27/2017	1-13	WSW	-3	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/28/2017	1-12	S	5	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/29/2017	2-14	WSW	9	Dry	0	0	0	0	0	Trash Screens adjusted at working face.
12/30/2017	4-24	WSW	-2	Dry	0	0	0	0	0	Trash Screens adjusted at working face.

124.56

Attachment E-3

Annual Compliance (Stormwater) Inspection

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Annual Facility Site Compliance Inspection Report (AFSCI)

For Storm Water Discharges Associated With Industrial Activity Under Wisconsin Pollutant Discharge Elimination System (WPDES) Permit

Form 3400-176 (R 5/14)

Notice: This form is authorized by s. NR 216 29(2), Wis. Adm. Code. Submittal of a completed form to the Department is mandatory for industrial facilities covered under a Tier 1 storm water general permit. Facilities covered under a Tier 1 permit are not required to submit AFSCI reports after submittal of the second AFSCI report, unless so directed by the Department However, these inspections and quarterly visual inspections shall still be conducted and results shall be kept on site for Department inspection. Facilities covered under a Tier 2 storm water general, industry-specific general or individual permit shall keep the results of their AFSCI and quarterly visual inspections on site for Department inspection. Failure to comply with these regulations may result in fines up to $25,000 per day pursuant to s. 283.91, Wis Stats

Personally identifiable information on this form may be used for other water quality program purposes.

Please type or clearly print your answers to all questions.

Section I: Facility/Site Information

Facility/Site Name (As Appears on Permit Authorization)	County	
ADS Glacier Ridge Landfill	Dodge	
Location Address/Description (if different from mailing address below)	**State**	**ZIP Code**
N7296 Hwy V	WI	53032

⊙ City ○ Township ○ Village	Facility Identification Number (FID) and/or FIN Number if known	
of Horicon	FID	FIN

Section II: Facility/Site Contact Person

Local Contact Person	Mailing Address (if different than site location address)	
Jacob Marquelofsky		
Title	**Municipality (if different than above)**	
Operations Manager		
Telephone (include area code)	**State**	**ZIP Code (if different from above)**
920.387-0607	WI	
E-mail address or Website (if applicable)		**Fax (include area code)**
Jacob.Marquelofsky@advanceddisposal.com		

Section III: Certification & Signature

(Person attesting to the accuracy and completeness of Annual Facility Site Compliance Inspection Report.)

This form must be signed by an official representative of the permitted facility in accordance with s. NR 216.22(7), Wis. Adm. Code. See instructions on page 4. If this form is not signed, or is found to be incomplete, it will be returned.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative	Telephone Number (include area code)		
Jacob Marquelofsky	920-387-0607		
Type or Print Name	**Company Name**		
Jacob Marquelofsky	Advanced Disposal		
Position Title	**Mailing Address**		
Operations Manager	N7296 Hwy V		
Date Signed	**Municipality**	**State**	**ZIP Code**
12/5/17	Horicon / Williamstown	WI	53032

How to Use this Form:

The first level of storm water monitoring consists of a comprehensive annual facility site compliance inspection (AFSCI) to determine if your facility is operating in compliance with your Storm Water Pollution Prevention Plan (SWPPP). You should use the results of this inspection to determine the extent to which your SWPPP needs to be updated to prevent pollution from new source areas, as well as to correct any inadequacies that the plan may have in handling existing source areas. This first level of monitoring is addressed in Section IV of this Annual Report on page 2.

The second level of storm water monitoring consists of quarterly visual observations of storm water leaving the site during runoff events caused by snow-melt or rainfall This is a practical, low cost tool for identifying obvious contamination of storm water discharges, and can also help identify which practices are ineffective The goal of quarterly inspections is to obtain results from a set of four inspections that are distributed as evenly as possible throughout the year and which depict runoff quality during each of the four seasons This second level of monitoring is addressed in Section V of this Annual Report on page 3

Section IV: Annual Facility Site Compliance Inspection

The Annual Facility Site Compliance Inspection shall be adequate to verify that: your Storm Water Pollution Prevention Plan (SWPPP) remains current; potential pollution sources at your facility are identified; the facility site map and drainage map remain accurate; and that the Best Management Practices prescribed in your SWPPP are being implemented, properly operated, and adequately maintained.

Name of Person Conducting Inspection	Inspection Date
Jacob Margolis	12/5/17
Employer	**Telephone Number**
Advanced Disposal	720-387-0607

Your inspection should start with a review of your written SWPPP kept at your facility. The SWPPP should be amended if, through these inspections, you find that the provisions in your SWPPP are ineffective in controlling contaminated storm water from being discharged from your facility.

1.	Has your SWPPP been updated to include current Non-Storm Water Discharge Evaluation results?	◉ Yes	○ No ○ N/A
2.	Has your SWPPP been amended for any new construction that would affect the site map or drainage conditions at the facility?	◉ Yes	○ No ○ N/A
3.	Has your SWPPP been amended for any changes in facility operations that could be identified as new source areas for contamination of storm water?	◉ Yes	○ No ○ N/A
4.	Are there any materials at the facility that are handled, stored, or disposed in a manner to allow exposure to storm water that are not currently addressed in your SWPPP?	○ Yes	◉ No ○ N/A
5.	Are there any maintenance or material handling activities conducted outdoors that have not been addressed in your SWPPP?	○ Yes	◉ No ○ N/A
6.	Are outside areas kept in a neat and orderly condition?	◉ Yes	○ No ○ N/A
7.	Are regular housekeeping inspections made?	◉ Yes	○ No ○ N/A
8.	Do you see spots, pools, puddles, or other traces of oils, grease, or other chemicals on the ground?	○ Yes	◉ No ○ N/A
9.	Are particulates on the ground from industrial operations or processes being controlled?	◉ Yes	○ No ○ N/A
10.	Do you see leaking equipment, pipes or containers?	○ Yes	◉ No ○ N/A
11.	Do drips, spills, or leaks occur when materials are being transferred from one source to another?	○ Yes	◉ No ○ N/A
12	Are drips or leaks from equipment or machinery being controlled?	◉ Yes	○ No ○ N/A
13	Are cleanup procedures used for spilled solids?	◉ Yes	○ No ○ N/A
14	Are absorbent materials (floor dry, kitty litter, etc) regularly used in certain areas to absorb spills?	◉ Yes	○ No ○ N/A
15.	Can you find discoloration, residue, or corrosion on the roof or around vents or pipes that ventilate or drain work areas?	○ Yes	◉ No ○ N/A
16.	Are Best Management Practices implemented to reduce or eliminate contamination of storm water from source areas at the facility?	◉ Yes	○ No ○ N/A
17.	Are Best Management Practices adequately maintained?	◉ Yes	○ No ○ N/A
18	Are there significant changes to your SWPPP needed to correct plan inadequacies to effectively control a discharge of contaminated storm water from your facility?	○ Yes	◉ No ○ N/A

Comments:

- No concerns observed at time of inspections
- SWPP was updated in January of 2017

Section V: Quarterly Visual Inspection Reports

Quarterly Visual Inspections at each storm water discharge outfall on your site can be a valuable assessment tool and are required by the Tier 1, Tier 2, and Nonmetallic Mining Industrial Storm Water General Permits. These inspections should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or soon thereafter as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem. Make any necessary changes to your Storm Water Pollution Prevention Plan as needed If you were unable to evaluate an outfall during a specific quarter, this should be indicated along with a reason as to why this could not be done.

Outfall Number	Date of Inspection			
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1	3/30/17	6/14/17	8/3/17	10/10/17
2R	3/30/17	6/14/17	8/3/17	10/10/17
3B	3/30/17	6/14/17	8/3/17	10/10/17
4B	3/30/17	6/14/17	8/3/17	10/10/17
5B	3/30/17	6/14/17	8/3/17	10/10/17
~~6B~~	~~3/30/17~~	~~6/14/17~~	~~8/3/17~~	~~10/10/17~~
7R	3/30/17	6/14/17	8/3/17	10/10/17
8	3/30/17	6/14/17	8/3/17	10/10/17

Briefly summarize what you found when conducting your Quarterly Visual Inspections. (Include any observations of color, odor, turbidity, floating solids, foam, oil sheen, or any other indications of storm water pollution and the probable sources of any observed storm water contamination.)

No concerns noted at Quarterly observations.
- Algae around areas of sed pond during warmer months
- Overall low turbidity out of outfall, during discharge
- No areas of concern regarding storm water contamination

Instructions

Section I: Facility/Site Information

Provide the name of the facility as it appears on the permit application or permit cover letter and location address. If known, provide the Facility Identification (FID) and/or FIN Number assigned by the WDNR.

Section II: Facility/Site Contact Person

Provide the local contact person information for the facility. The mailing address should be given for the facility contact person if it is different from the facility site location address information.

Section III: Certification & Signature

State Statutes provide for severe penalties for submitting false information on this AFSCI form. State regulations require this form be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of Vice President, or a duly authorized representative having overall responsibility for the operation covered by this permit.
2. For a unit of government, a principal executive officer, a ranking elected official, or other duly authorized representative.
3. For a partnership, by a general partner; for a sole proprietorship, by the proprietor.
4. For a limited liability company, by member or manager.

Section IV: Annual Facility Site Compliance Inspection

Provide the name of the person conducting the inspection, inspection date, name of employer, and telephone number. Check the appropriate box for each of the listed questions and provide explanations in the comment box as needed.

Section V: Quarterly Visual Inspection Reports

Provide the outfall number in the table and the dates of each quarterly visual inspection. Summarize the findings of your visual inspections below the table. Attach additional sheets if needed.

Mailing Address

Unless otherwise directed, mail this completed form to the Wisconsin Department of Natural Resources (WDNR) office associated with the county of the facility site location as follows:

NORTHERN REGION (NOR)			
Ashland Barron Bayfield Burnett Douglas Florence	Forest Iron Langlade Lincoln Oneida Polk	Price Rusk Sawyer Taylor Vilas Washburn	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
NORTHEAST REGION (NER)			
Brown Calumet Door Fond du Lac Green Lake Kewaunee	Manitowoc Marinette Marquette Menominee Oconto Outagamie	Shawano Waupaca Waushara Winnebago	WDNR Northeast Regional Headquarters 2984 Shawano Avenue Green Bay, WI 54313-6727 (920) 662-5100
WEST CENTRAL REGION (WCR)			
Adams Buffalo Chippewa Clark Crawford Dunn Eau Claire	Jackson Juneau La Crosse Marathon Monroe Pepin	Pierce Portage St. Croix Trempealeau Vernon Wood	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
SOUTH CENTRAL REGION (SCR)			
Columbia Dane Dodge Grant	Green Iowa Jefferson LaFayette	Richland Rock Sauk	WDNR South Central Regional Headquarters 3911 Fish Hatchery Road Fitchburg, WI 53711 (608) 275-3266
SOUTHEAST REGION (SER)			
Kenosha Milwaukee Ozaukee	Racine Sheboygan Walworth	Washington Waukesha	WDNR Waukesha Service Center 141 N.W. Barstow Street, Room 180 Waukesha, WI 53188 (262) 574-2100

Attachment E-4

Quarterly Stormwater Inspection Reports

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Location: GRL and Horicon Collection Company Horicon, Wisconsin	Inspector (print name): Jacob Margelofsky
Date: 3/30/17	Signature: Jacob Margel
Time: 3:00pm	Weather at time of inspection: ☐ Clear ☐ Cloudy ☒ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: Temperature: 37°
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☒ No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☒ Yes ☐ No If yes, describe: stormwater	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aid in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	**Yes / No**	
• Is the SWPPP inventory of activities, materials, and products current?	**Yes / No**	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	(Y) / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	(Y) / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	(Y) / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	(Y) / N / NA	Y / N / NA	Area of new wells needs to be backfilled + seeded
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	(Y) / N / NA	Y / N / NA	Crossing for construction of new wells will need seeding
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	(Y) / N / NA	Y / N / NA	
• Are erosion control practices in good condition?	(Y) / N / NA	Y / N / NA	
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y / (N) / NA	Y / N / NA	
• Is the construction area free of debris?	(Y) / N / NA	Y / N / NA	
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	Y / (N) / NA	Y / N / NA	Compost pile is not seeded soil stockpile has soil being added to it currently. Will seed in spring

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	(Y) / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	(Y) N / NA	Y / N / NA	
• Are outdoor storage containers covered?	(Y) / N / NA	Y / N / NA	The e waste Box is
• Are containers being emptied before they become too full?	(Y) / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	(Y) / N / NA	Y / N / NA	
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	(Y) / N / NA	Y / N / NA	
Collection Company Material Handling Areas			
• Are recyclable materials being managed in a nuisance-free and environmentally sound manner and in accordance with self-certification?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is sediment tracked onto public streets being cleaned daily?	(Y) / N / NA	Y / N / NA	
• Are construction-related chemical liquids and fluids covered from precipitation?	(Y) / N / NA	Y / N / NA	No contractors currently on-site
Good Housekeeping BMPs:			
• Are containers in good condition?	(Y) / N / NA	Y / N / NA	
• Are containers labeled?	(Y) / N / NA	Y / N / NA	
• Are the non-landfill areas free of debris?	(Y) / N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	(Y) / N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	(Y) / N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	(Y) / N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	(Y) / N / NA	Y / N / NA	
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Outdoor Vehicle Washing Area			
• Is area free of signs of contamination?	(Y) / N / NA	Y / N / NA	
• Is sump being pumped as needed?	(Y) / N / NA	Y / N / NA	
• Is pavement area free of damage and cracks?	(Y) / N / NA	Y / N / NA	
On-Site Fueling Area			
• Is the secondary containment structure free of damage and cracks?	(Y) / N / NA	Y / N / NA	
• Is the concrete loadout pad area free of damage and cracks?	(Y) / N / NA	Y / N / NA	
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	
• Are spill kits in place and adequately supplied with appropriate spill response materials?	(Y) / N / NA	Y / N / NA	
• Is the fueling area clear of any signs of spills or leaks?	(Y) / N / NA	Y / N / NA	
• Is the secondary containment structure dry? If water has accumulated, manage in accordance with Attachment M of the facility SPCC Plan.	(Y) / N / NA	Y / N / NA	Pumping out regularly
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are traffic and parking areas clear of any signs of contamination/spills?	Y / N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	Y / N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	Y / N / NA	Y / N / NA	
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	Y / N / NA	Y / N / NA	
• Is the loadout pad area clear of any signs of spills or leaks?	Y / N / NA	Y / N / NA	
• Is the secondary containment area free of standing liquid?	Y / N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	Y / N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins functioning properly?	Y / N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	Y / N / NA	Y / N / NA	
• Are the basins/biofilters free from signs of contamination (litter, sheen, color)?	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the basin/biofilter depth still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)?	(Y) / N / NA	Y / N / NA	
• Is the basin(s) free of debris?	(Y) / N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	(Y) / N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	(Y) / N / NA	Y / N / NA	
Fertilizer Use:			
• When used, is fertilizer phosphorus free?	Y / N / (NA)	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company N7296 Highway V Horicon, Wisconsin 53032	Date of Inspection: 3 / 30 / 2017
Quarter (circle): **1** (Jan-Mar) **2** (Apr-Jun) **3** (Jul-Sep) **4** (Oct-Dec)	
Time Rainfall Began: 7:00 ____ (am) pm	
Name of Inspector (print): Jaco 6 Margelofsky	
Signature:	

See **Figures 2** and **3** for outfall locations, drainage areas, and potential sources of pollution.

Outfall 1: Discharge end of Sedimentation Basin No. 1 outlet structure discharge pipe					Time of Observation: 2 : 30 (am) pm ***(Must be within 60 minutes of time rainfall began).***
Color:	☒Clear	☐Red	☐Yellow	☐Brown	☐Other:
Odor:	☒None	☐Musty	☐Sewage	☐Rotten Egg	☐Other:
Clarity:	☒Clear	☐Cloudy	☐Opaque	☐Suspended Solids	☐Other:
Floatables:	☒None	☐Foam	☐Garbage	☐Oily Sheen	☐Other:
Deposits/Stains:	☒None	☐Oily	☐Sludge	☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Water level higher than last observation					

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 2R: Discharge at end of Sedimentation Basin No. 2	Time of Observation: 7 : 20 am pm *(Must be within 60 minutes of time rainfall began).*	
Color:	☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Pre-Basin has weeds growing in Rip Rap		

Outfall 3B: Discharge at end of Sedimentation Basin No. 3 biofilter (see Note 1)	Time of Observation: 7 : 30 am pm *(Must be within 60 minutes of time rainfall began).*	
Color:	☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Water entering pond during inspection		

Outfall 4B: Discharge at end of Sedimentation Basin No. 4 biofilter (see Note 1)	Time of Observation: 7 : 40 am pm *(Must be within 60 minutes of time rainfall began).*	
Color:	☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):		

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 5B: Discharge at end of Sedimentation Basin No. 5 biofilter (see Note 1)	Time of Observation: 7 : 50 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Outfall 6B: Discharge at end of Sedimentation Basin No. 6 biofilter (see Note 1)	Time of Observation: 8 : 20 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☒Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☒Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☒None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Outfall 7R: At swale between gravel lot at office and berm south of office (see Note 3)	Time of Observation: 8 : 10 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge noted	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 8: Along drainage channel from compost area, prior to ponding area at east end of berm located south of the office lot (see Note 3)	Time of Observation: 8:30 am pm ***(Must be within 60 minutes of time rainfall began).***
Color:	☒Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☒None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Other Comments/Observations: *(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)*

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☐ Other (comment below)	Outfall(s):

Other reasons outfall(s) could not be evaluated this quarter:

Notes:

1. For outfalls associated with sedimentation basins that include a biofilter, the outfall monitoring location is listed at the discharge point of the biofilter. The discharge may also/alternatively be monitored at the discharge end of the sedimentation basin outlet structure discharge pipe, at the entrance into the biofilter.
2. Previous outfalls 3A, 4A, 5A, and 6A have been eliminated from the visual inspection. These were previously noted as the discharge from the sedimentation basins into the biofilters. This has been changed to only require inspection at one of the discharge points (from the sedimentation basin or from the biofilter); see Note 3 below. Previous outfall 2 was eliminated when Phase 6 was constructed.
3. Outfalls 7R and 8 will be eliminated during construction of Phase 5.

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Location: GRL and Horicon Collection Company Horicon, Wisconsin	Inspector (print name): Jacob Margelofsky
Date: 6/14/17	Signature: Jacob Margelofsky
Time: 3:30pm	Weather at time of inspection: ☐ Clear ☐ Cloudy ☒ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: Temperature: 80
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☒ No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☒ Yes ☐ No If yes, describe: Stormwater	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aid in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	(Yes) / No	
• Is the SWPPP inventory of activities, materials, and products current?	(Yes) / No	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	(Y) / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	(Y) / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	(Y) / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	(Y) / N / NA	Y / N / NA	Some areas seeded and or awaiting seed + growth
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	(Y) / N / NA	Y / N / NA	
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	(Y) / N / NA	Y / N / NA	
• Are erosion control practices in good condition?	(Y) / N / NA	Y / N / NA	
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y (N) NA	Y / N / NA	Some silt in ditches
• Is the construction area free of debris?	(Y) / N / NA	Y / N / NA	
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	(Y) / N / NA	Y / N / NA	main stockpile needs overseeding

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is sediment tracked onto public streets being cleaned daily?	(Y) N / NA	Y / N / NA	
• Are construction-related chemical liquids and fluids covered from precipitation?	Y / N / (NA)	Y / N / NA	
Good Housekeeping BMPs:			
• Are containers in good condition?	(Y) N / NA	Y / N / NA	
• Are containers labeled?	(Y) N / NA	Y / N / NA	
• Are the non-landfill areas free of debris?	(Y) N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	(Y) N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	(Y) N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	(Y) N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	(Y) N / NA	Y / N / NA	
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	(Y) N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	(Y) / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	(Y) / N / NA	Y / N / NA	
• Are outdoor storage containers covered?	(Y) / N / NA	Y / N / NA	The e-waste Box is covered scrap metal is not
• Are containers being emptied before they become too full?	(Y) / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	(Y) / N / NA	Y / N / NA	
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	(Y) / N / NA	Y / N / NA	
Collection Company Material Handling Areas			
• Are recyclable materials being managed in a nuisance-free and environmentally sound manner and in accordance with self-certification?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Outdoor Vehicle Washing Area			
• Is area free of signs of contamination?	(Y) / N / NA	Y / N / NA	
• Is sump being pumped as needed?	(Y) / N / NA	Y / N / NA	
• Is pavement area free of damage and cracks?	(Y) / N / NA	Y / N / NA	
On-Site Fueling Area			
• Is the secondary containment structure free of damage and cracks?	(Y) / N / NA	Y / N / NA	
• Is the concrete loadout pad area free of damage and cracks?	(Y) / N / NA	Y / N / NA	
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	
• Are spill kits in place and adequately supplied with appropriate spill response materials?	(Y) / N / NA	Y / N / NA	
• Is the fueling area clear of any signs of spills or leaks?	(Y) / N / NA	Y / N / NA	
• Is the secondary containment structure dry? If water has accumulated, manage in accordance with Attachment M of the facility SPCC Plan.	(Y) / N / NA	Y / N / NA	
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are traffic and parking areas clear of any signs of contamination/spills?	(Y) / N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	(Y) / N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	(Y) / N / NA	Y / N / NA	
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	
• Is the loadout pad area clear of any signs of spills or leaks?	(Y) / N / NA	Y / N / NA	
• Is the secondary containment area free of standing liquid?	(Y) / N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	(Y) / N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins functioning properly?	(Y) / N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	(Y) / N / NA	Y / N / NA	
• Are the basins/biofilters free from signs of contamination (litter, sheen, color)?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the basin/biofilter depth still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)?	(Y) N / NA	Y / N / NA	Pre Basin for Sed pond 2 has some silt but not at an elevated level yet, will continue to monitor.
• Is the basin(s) free of debris?	(Y) N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	(Y) N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	(Y) N / NA	Y / N / NA	
Fertilizer Use:			
• When used, is fertilizer phosphorus free?	Y / N / (NA)	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company N7296 Highway V Horicon, Wisconsin 53032	Date of Inspection: 6 / 14 / 2017
Quarter (circle): **1** (Jan-Mar) (2 (Apr-Jun)) **3** (Jul-Sep) **4** (Oct-Dec)	
Time Rainfall Began: 3 : 00 am (pm)	
Name of Inspector (print): Jacob Margelofsky	
Signature:	

See **Figures 2** and **3** for outfall locations, drainage areas, and potential sources of pollution.

Outfall 1: Discharge end of Sedimentation Basin No. 1 outlet structure discharge pipe	Time of Observation: 3 : 10 am (pm) ***(Must be within 60 minutes of time rainfall began).***
Color:	☒Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☒Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☒None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 2R: Discharge at end of Sedimentation Basin No. 2	Time of Observation: 3 :20 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☒Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor: ☒None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity: ☐Clear ☒Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables: ☒None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains: ☒None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Some algae on edges of pond	

Outfall 3B: Discharge at end of Sedimentation Basin No. 3 biofilter (see Note 1)	Time of Observation: 3 : 30 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☒Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor: ☒None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity: ☒Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables: ☒None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains: ☒None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Level of pond low	

Outfall 4B: Discharge at end of Sedimentation Basin No. 4 biofilter (see Note 1)	Time of Observation: 3 :40 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☒Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor: ☒None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity: ☒Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables: ☒None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains: ☒None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 5B: Discharge at end of Sedimentation Basin No. 5 biofilter (see Note 1)	Time of Observation: 3 : 50 am ~~pm~~ *(Must be within 60 minutes of time rainfall began).*
Color:	☒Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☒Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☒None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Level of sed pond high due to recent rains	

Outfall 6B: Discharge at end of Sedimentation Basin No. 6 biofilter (see Note 1)	Time of Observation: __ : __ am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Outfall 7R: At swale between gravel lot at office and berm south of office (see Note 3)	Time of Observation: __ : __ am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 8: Along drainage channel from compost area, prior to ponding area at east end of berm located south of the office lot (see Note 3)	Time of Observation: __ : __ am pm ***(Must be within 60 minutes of time rainfall began).***
Color: ☒Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☒Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☒None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Other Comments/Observations: *(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)*

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☐ Other (comment below)	Outfall(s):

Other reasons outfall(s) could not be evaluated this quarter:

Notes:

1. For outfalls associated with sedimentation basins that include a biofilter, the outfall monitoring location is listed at the discharge point of the biofilter. The discharge may also/alternatively be monitored at the discharge end of the sedimentation basin outlet structure discharge pipe, at the entrance into the biofilter.
2. Previous outfalls 3A, 4A, 5A, and 6A have been eliminated from the visual inspection. These were previously noted as the discharge from the sedimentation basins into the biofilters. This has been changed to only require inspection at one of the discharge points (from the sedimentation basin or from the biofilter); see Note 3 below. Previous outfall 2 was eliminated when Phase 6 was constructed.
3. Outfalls 7R and 8 will be eliminated during construction of Phase 5.

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Location: GRL and Horicon Collection Company Horicon, Wisconsin	Inspector (print name): Jacob Murgelofsky
Date: 8/3/17	Signature: Jacob Murgelofsky
Time: 1:45	Weather at time of inspection: ☐ Clear ☐ Cloudy ☒ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: Temperature:
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☒ No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☐ Yes ☐ No If yes, describe: Rain/storm water	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aid in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	(Yes) / No	
• Is the SWPPP inventory of activities, materials, and products current?	(Yes) / No	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	(Y) / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	(Y) / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	(Y) / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	(Y) / N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	(Y) / N / NA	Y / N / NA	
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	(Y) / N / NA	Y / N / NA	
• Are erosion control practices in good condition?	(Y) / N / NA	Y / N / NA	
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y / (N) / NA	Y / N / (NA)	
• Is the construction area free of debris?	(Y) / N / NA	Y / N / NA	
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	(Y) / N / NA	Y / N / NA	Seeded areas that are not currently active

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is sediment tracked onto public streets being cleaned daily?	(Y) / N / NA	Y / N / NA	
• Are construction-related chemical liquids and fluids covered from precipitation?	(Y) / N / NA	Y / N / NA	
Good Housekeeping BMPs:			
• Are containers in good condition?	(Y) / N / NA	Y / N / NA	
• Are containers labeled?	(Y) / N / NA	Y / N / NA	
• Are the non-landfill areas free of debris?	(Y) / N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	(Y) / N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	(Y) / N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	(Y) / N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	(Y) / N / NA	Y / N / NA	
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	(Y) / N / NA	Y / N / NA	Oil dry used in lot where trucks did leak

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	(Y) / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	(Y) N / NA	Y / N / NA	containers empty during inspection
• Are outdoor storage containers covered?	(Y) / N / NA	Y / N / NA	The E waste And cardboard are covered. Waste is not
• Are containers being emptied before they become too full?	(Y) / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	(Y) N / NA	Y / N / NA	Chad Keller picking up lot
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	(Y) / N / NA	Y / N / NA	
Collection Company Material Handling Areas			
• Are recyclable materials being managed in a nuisance-free and environmentally sound manner and in accordance with self-certification?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are traffic and parking areas clear of any signs of contamination/spills?	(Y) / N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	(Y) / N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	(Y) / N / NA	Y / N / NA	Areas watered with water truck
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	
• Is the loadout pad area clear of any signs of spills or leaks?	(Y) / N / NA	Y / N / NA	
• Is the secondary containment area free of standing liquid?	(Y) / N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	(Y) / N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins functioning properly?	(Y) / N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	(Y) / N / NA	Y / N / NA	
• Are the basins/biofilters free from signs of contamination (litter, sheen, color)?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Outdoor Vehicle Washing Area			
• Is area free of signs of contamination?	(Y) / N / NA	Y / N / NA	
• Is sump being pumped as needed?	(Y) / N / NA	Y / N / NA	
• Is pavement area free of damage and cracks?	Y / (N) / NA	Y / N / NA	Cracks in pavement scheduled to be replaced by General Asphalt company
On-Site Fueling Area			
• Is the secondary containment structure free of damage and cracks?	(Y) / N / NA	Y / N / NA	Tank is double lined
• Is the concrete loadout pad area free of damage and cracks?	(Y) / N / NA	Y / N / NA	
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	
• Are spill kits in place and adequately supplied with appropriate spill response materials?	(Y) / N / NA	Y / N / NA	
• Is the fueling area clear of any signs of spills or leaks?	(Y) / N / NA	Y / N / NA	
• Is the secondary containment structure dry? If water has accumulated, manage in accordance with Attachment M of the facility SPCC Plan.	(Y) / N / NA	Y / N / NA	
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	(Y) N / NA	Y / N / NA	Parking lot to be extended this year

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the basin/biofilter depth still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)?	(Y) / N / NA	Y / N / NA	Sed Pond # 2 Pre Basin to be cleaned as needed
• Is the basin(s) free of debris?	(Y) / N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	(Y) / N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	(Y) / N / NA	Y / N / NA	Temp slope of phase > 8 do not discharge off site
Fertilizer Use:			
• When used, is fertilizer phosphorus free?	(Y) / N / NA	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company N7296 Highway V Horicon, Wisconsin 53032	Date of Inspection: 8 / 3 / 2017
Quarter (circle): **1** (Jan-Mar) **2** (Apr-Jun) **3** (Jul-Sep) **4** (Oct-Dec)	
Time Rainfall Began: 1 : 45 am (pm)	
Name of Inspector (print): Jacob Margolotsky	
Signature: Jacob Margolotsky	

See **Figures 2** and **3** for outfall locations, drainage areas, and potential sources of pollution.

Outfall 1: Discharge end of Sedimentation Basin No. 1 outlet structure discharge pipe	Time of Observation: 2 : 00 am pm ***(Must be within 60 minutes of time rainfall began).***
Color: ☑Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☒None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 2R: Discharge at end of Sedimentation Basin No. 2					Time of Observation: 2 : 15 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear	☐Red	☐Yellow	☐Brown	☐Other:
Odor:	☑None	☐Musty	☐Sewage	☐Rotten Egg	☐Other:
Clarity:	☑Clear	☐Cloudy	☐Opaque	☐Suspended Solids	☐Other:
Floatables:	☑None	☐Foam	☐Garbage	☐Oily Sheen	☐Other:
Deposits/Stains:	☑None	☐Oily	☐Sludge	☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):					

Outfall 3B: Discharge at end of Sedimentation Basin No. 3 biofilter (see Note 1)					Time of Observation: 2 : 30 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear	☐Red	☐Yellow	☐Brown	☐Other:
Odor:	☑None	☐Musty	☐Sewage	☐Rotten Egg	☐Other:
Clarity:	☑Clear	☐Cloudy	☐Opaque	☐Suspended Solids	☐Other:
Floatables:	☑None	☐Foam	☐Garbage	☐Oily Sheen	☐Other:
Deposits/Stains:	☑None	☐Oily	☐Sludge	☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Not much water in Sed Pond					

Outfall 4B: Discharge at end of Sedimentation Basin No. 4 biofilter (see Note 1)					Time of Observation: 2 : 45 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear	☐Red	☐Yellow	☐Brown	☐Other:
Odor:	☑None	☐Musty	☐Sewage	☐Rotten Egg	☐Other:
Clarity:	☑Clear	☐Cloudy	☐Opaque	☐Suspended Solids	☐Other:
Floatables:	☑None	☐Foam	☐Garbage	☐Oily Sheen	☐Other:
Deposits/Stains:	☑None	☐Oily	☐Sludge	☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):					

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 5B: Discharge at end of Sedimentation Basin No. 5 biofilter (see Note 1)	Time of Observation: 3 : 00 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☐Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor: ☐None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity: ☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables: ☐None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains: ☐None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Sed pond level low due to low rainfall	

Outfall 6B: Discharge at end of Sedimentation Basin No. 6 biofilter (see Note 1)	Time of Observation: __ : __ am pm *(Must be within 60 minutes of time rainfall began).*
Color: ☐Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor: ☐None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity: ☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables: ☐None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains: ☐None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Outfall 7R: At swale between gravel lot at office and berm south of office (see Note 3)	Time of Observation: 3 : 15 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity: ☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables: ☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains: ☑None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 8: Along drainage channel from compost area, prior to ponding area at east end of berm located south of the office lot (see Note 3)	Time of Observation: 3 : 30 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Other Comments/Observations: *(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)*

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☐ Other (comment below)	Outfall(s):
Other reasons outfall(s) could not be evaluated this quarter:	

Notes:

1. For outfalls associated with sedimentation basins that include a biofilter, the outfall monitoring location is listed at the discharge point of the biofilter. The discharge may also/alternatively be monitored at the discharge end of the sedimentation basin outlet structure discharge pipe, at the entrance into the biofilter.
2. Previous outfalls 3A, 4A, 5A, and 6A have been eliminated from the visual inspection. These were previously noted as the discharge from the sedimentation basins into the biofilters. This has been changed to only require inspection at one of the discharge points (from the sedimentation basin or from the biofilter); see Note 3 below. Previous outfall 2 was eliminated when Phase 6 was constructed.
3. Outfalls 7R and 8 will be eliminated during construction of Phase 5.

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Location: GRL and Horicon Collection Company Horicon, Wisconsin	Inspector (print name): Jacob Mangelofsky
Date: 10/10/17	Signature:
Time: 4:00 pm	Weather at time of inspection: ☐ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: Temperature:
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☑ No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☐ Yes ☐ No If yes, describe: Rain/storm water	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aid in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	(Yes) / No	
• Is the SWPPP inventory of activities, materials, and products current?	(Yes) / No	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	(Y) / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	(Y) / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	(Y) / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	(Y) / N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	(Y) / N / NA	Y / N / NA	
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	(Y) / N / NA	Y / N / NA	
• Are erosion control practices in good condition?	(Y) / N / NA	Y / N / NA	
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y / (N) / NA	Y / N / NA	
• Is the construction area free of debris?	(Y) / N / NA	Y / N / NA	
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is sediment tracked onto public streets being cleaned daily?	(Y) / N / NA	Y / N / NA	
• Are construction-related chemical liquids and fluids covered from precipitation?	(Y) / N / NA	Y / N / NA	
Good Housekeeping BMPs:			
• Are containers in good condition?	(Y) / N / NA	Y / N / NA	
• Are containers labeled?	(Y) / N / NA	Y / N / NA	
• Are the non-landfill areas free of debris?	(Y) / N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	(Y) / N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	(Y) / N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	(Y) / N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	Y / (N) / NA	Y / N / NA	Trucks that had leaks taken into shop
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	(Y / N / NA)	Y / N / NA	Fischer semi small leak cleaned up w/ oil dry

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	(Y) / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	(Y) / N / NA	Y / N / NA	Some small rust holes on some empty containers
• Are outdoor storage containers covered?	(Y) / N / NA	Y / N / NA	
• Are containers being emptied before they become too full?	(Y) / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	(Y) / N / NA	Y / N / NA	
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	(Y) / N / NA	Y / N / NA	
Collection Company Material Handling Areas			
• Are recyclable materials being managed in a nuisance-free and environmentally sound manner and in accordance with self-certification?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Outdoor Vehicle Washing Area			
• Is area free of signs of contamination?	(Y) / N / NA	Y / N / NA	
• Is sump being pumped as needed?	(Y) / N / NA	Y / N / NA	
• Is pavement area free of damage and cracks?	(Y) / N / NA	Y / N / NA	Some minor/normal cracks in Asphalt
On-Site Fueling Area			
• Is the secondary containment structure free of damage and cracks?	(Y) / N / NA	Y / N / NA	
• Is the concrete loadout pad area free of damage and cracks?	(Y) / N / NA	Y / N / NA	
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	
• Are spill kits in place and adequately supplied with appropriate spill response materials?	(Y) / N / NA	Y / N / NA	
• Is the fueling area clear of any signs of spills or leaks?	(Y) / N / NA	Y / N / NA	
• Is the secondary containment structure dry? If water has accumulated, manage in accordance with Attachment M of the facility SPCC Plan.	(Y) / N / NA	Y / N / NA	
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are traffic and parking areas clear of any signs of contamination/spills?	(Y) / N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	(Y) / N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	(Y) / N / NA	Y / N / NA	
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	
• Is the loadout pad area clear of any signs of spills or leaks?	(Y) / N / NA	Y / N / NA	
• Is the secondary containment area free of standing liquid?	(Y) / N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	(Y) / N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins functioning properly?	(Y) / N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	(Y) / N / NA	Y / N / NA	
• Are the basins/biofilters free from signs of contamination (litter, sheen, color)?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Glacier Ridge Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the basin/biofilter depth still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)?	(Y) / N / NA	Y / N / NA	Pre Basin Dredged out
• Is the basin(s) free of debris?	(Y) / N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	(Y) / N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	(Y) / N / NA	Y / N / NA	
Fertilizer Use:			
• When used, is fertilizer phosphorus free?	Y / N / (NA)	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company N7296 Highway V Horicon, Wisconsin 53032	Date of Inspection: 10 / 10 / 2017
Quarter (circle): **1** (Jan-Mar) **2** (Apr-Jun) **3** (Jul-Sep) **4** (Oct-Dec)	
Time Rainfall Began: 4:00 am (pm)	
Name of Inspector (print): Jacob Margelofsky	
Signature: Jacob Margelofsky	

See **Figures 2** and **3** for outfall locations, drainage areas, and potential sources of pollution.

Outfall 1: Discharge end of Sedimentation Basin No. 1 outlet structure discharge pipe	Time of Observation: 4 :10 am (pm) ***(Must be within 60 minutes of time rainfall began).***
Color: ☒Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☒Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☒None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Level low - very minimal stormwater being discharged	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 2R: Discharge at end of Sedimentation Basin No. 2					Time of Observation: 4 :20 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☒Clear	☐Red	☐Yellow	☐Brown	☐Other:
Odor:	☒None	☐Musty	☐Sewage	☐Rotten Egg	☐Other:
Clarity:	☒Clear	☐Cloudy	☐Opaque	☐Suspended Solids	☐Other:
Floatables:	☒None	☐Foam	☐Garbage	☐Oily Sheen	☐Other:
Deposits/Stains:	☒None	☐Oily	☐Sludge	☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Water mostly clear coming out Pre basin recently cleaned out recently					

Outfall 3B: Discharge at end of Sedimentation Basin No. 3 biofilter (see Note 1)					Time of Observation: 4 :30 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☒Clear	☐Red	☐Yellow	☐Brown	☐Other:
Odor:	☒None	☐Musty	☐Sewage	☐Rotten Egg	☐Other:
Clarity:	☒Clear	☐Cloudy	☐Opaque	☐Suspended Solids	☐Other:
Floatables:	☒None	☐Foam	☐Garbage	☐Oily Sheen	☐Other:
Deposits/Stains:	☒None	☐Oily	☐Sludge	☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge. Basin level low					

Outfall 4B: Discharge at end of Sedimentation Basin No. 4 biofilter (see Note 1)					Time of Observation: 4 :35 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☒Clear	☐Red	☐Yellow	☐Brown	☐Other:
Odor:	☒None	☐Musty	☐Sewage	☐Rotten Egg	☐Other:
Clarity:	☒Clear	☐Cloudy	☐Opaque	☐Suspended Solids	☐Other:
Floatables:	☒None	☐Foam	☐Garbage	☐Oily Sheen	☐Other:
Deposits/Stains:	☒None	☐Oily	☐Sludge	☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge - Basin Level low					

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 5B: Discharge at end of Sedimentation Basin No. 5 biofilter (see Note 1)	Time of Observation: 4 : 40 am (pm) *(Must be within 60 minutes of time rainfall began).*	
Color:	☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge at time of inspection		

Outfall 6B: Discharge at end of Sedimentation Basin No. 6 biofilter (see Note 1)	Time of Observation: 4 : 50 am (pm) *(Must be within 60 minutes of time rainfall began).*	
Color:	☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Clear water discharge. No staining noted		

Outfall 7R: At swale between gravel lot at office and berm south of office (see Note 3)	Time of Observation: 4 : 55 am (pm) *(Must be within 60 minutes of time rainfall began).*	
Color:	☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge - No staining or sediment Buildup noted.		

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

Outfall 8: Along drainage channel from compost area, prior to ponding area at east end of berm located south of the office lot (see Note 3)	Time of Observation: 5 : 00 am (pm) ***(Must be within 60 minutes of time rainfall began).***
Color:	☐Clear ☒Red ☐Yellow ☐Brown ☐Other:
Odor:	☒None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☒None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☒None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): slight staining from compost	

Other Comments/Observations: *(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)*

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Glacier Ridge Landfill and Horicon Collection Company

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☐ Other (comment below)	Outfall(s):
Other reasons outfall(s) could not be evaluated this quarter:	

Notes:

1. For outfalls associated with sedimentation basins that include a biofilter, the outfall monitoring location is listed at the discharge point of the biofilter. The discharge may also/alternatively be monitored at the discharge end of the sedimentation basin outlet structure discharge pipe, at the entrance into the biofilter.
2. Previous outfalls 3A, 4A, 5A, and 6A have been eliminated from the visual inspection. These were previously noted as the discharge from the sedimentation basins into the biofilters. This has been changed to only require inspection at one of the discharge points (from the sedimentation basin or from the biofilter); see Note 3 below. Previous outfall 2 was eliminated when Phase 6 was constructed.
3. Outfalls 7R and 8 will be eliminated during construction of Phase 5.

APPENDIX F

Biopile Processing Facility

Attachment F-1

Contaminated Soil/Bio-Remediation

ADVANCED DISPOSAL SERVICES GLACIER RIDGE LANDFILL, LLC

Contaminated Soil/Bio-Remediation

2017

START DATE	PROFILE #	GENERATOR	MATERIAL	MATERIAL CODE	VOC DRO ppm	VOC GRO ppm	VOC Benzene	TONS
05/24/17	GRL 13096 B	Enbridge Energy	C-Soil/ Pet-Fuel Oil	34D @	350			87.12
01/11/17	GRL 16059 B	Veolia ES Technical Solutions - Port Washington	C-Soil/ Pet-Unldd Gas	33B @	386			0.25
07/24/17	GRL 17005 B	John Deere Horicon Works	C-Soil/ Pet-Ldd Gas	33A @	1200	1200		1,801.62
04/25/17	GRL 17033 B	Maron Property	C-Soil/ Pet-Fuel Oil	33D @	-	-		101.44
08/01/17	GRL 17064 B	Dodge County Highway Department (Iron Ridge)	C-Soil/ Pet-Unldd Gas	33B @	2000	2000		971.61
05/10/17	GRL 17065 B	Advanced Disposal Services	C-Soil/ Pet-Fuel Oil	34D @	25600			66.95
06/19/17	GRL 17071 B	WisDOT (Waterloo)	C-Soil	37A @	1311	1311		1,493.64
05/26/17	GRL 17074 B	City of Sheboygan	C-Soil/ Pet-Unldd Gas	33B @	750	750		3,794.55
06/12/17	GRL 17081 B	ATC - Creekview (Eden)	C-Soil/ Pet-Fuel Oil	34D @	2083			11.04
08/30/17	GRL 17102 B	Dodge County (Iron Ridge)	C-Soil/ Pet-Unldd Gas	33B @	1180	1180		38.39
09/06/17	GRL 17115 B	Municipal Well & Pump	C-Soil/ Pet-Fuel Oil	34D @	2500			72.39
12/05/17	GRL 17139 B	Corey Oil Leasing Ltd.	C-Soil/ Pet-Unldd Gas	34B @	2100	2100		622.96
					TOTAL			9,061.96

Material Summary

C-Soil/ Pet-Fuel Oil	33D	@	101.44
C-Soil/ Pet-Fuel Oil	34D	@	237.50
C-Soil/ Pet-Ldd Gas	33A	@	1,801.62
C-Soil/ Pet-Unldd Gas	33B	@	4,804.80
C-Soil/ Pet-Unldd Gas	34B	@	622.96
C-Soil	37A	@	1,493.64
			9,061.96